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St. Louis Seed Co.

VEGETABLE
SEED TRIALS
HORTICULTURE

Seed Annual

COVER OFFER

ZINNIA, Dahlia-Flowering Mixed. 1 pkt., 15c.

ASTER, California Giant Mixed. 1 pkt., 15c.

DELPHINIUM, St. Louis Seed Co.'s Hybrids. 1 pkt., 15c.

GLADIOLUS, Betty Nuthall. Four bulbs for 20c.

Total Value, 65c.

For **50c** Post-paid

Spring
1934

1934 Annual Catalog

WE WANT OUR CATALOG to be a friendly medium of contact and amicable business relations. We have endeavored to give cultural directions in conjunction with the various varieties wherever possible.

When we advertise "Pure and Sure Seeds" we mean that our customers receive seeds which have been tested under varying conditions prior to sale; thus reducing to a minimum the possibility of failure.

Serving the Market Gardener, Farmer and Amateur for years, we have always kept before us the importance of "Pure and Sure Seeds" of the highest quality.

That we have succeeded in our efforts to furnish seeds of this High Quality during the years we have been in business is shown by the very gratifying increase which our business has shown year by year. We have been favored, too, with remarkably loyal support on the part of our customers, many of whom started to trade with us years ago and are with us yet. To old and new customers alike we are sincerely grateful.

Suggestions for Ordering

Phone CEntral 4100.

ORDER EARLY.

Phone CEntral 4100.

WE WISH TO IMPRESS UPON YOU THE ADVANTAGE OF EARLY ORDERING. It is not only a convenience to us but it is also for your sake that we request this. Avoid the spring rush and have your seeds when you want them. They will not spoil, and the delay necessarily attendant during the spring will be eliminated. You will not be waiting for your seeds, when you should be planting. Our service will please you even during the busy season. Send your order now.

Remittances should be made by Post Office Money Orders, Drafts on St. Louis Banks, or Express Money Orders. Where it is not possible to obtain these, the letter should be registered. We cannot guarantee receipt of money sent in any other way.

Goods desired C. O. D. must be accompanied by a partial remittance to guarantee acceptance.

In filling out your orders always give Shipping Directions, and write Name and Address distinctly on each and every order.

PARCEL POST: Customers on R. F. D. routes, and beyond express delivery will aid us by stating: "Goods reach us by Parcel Post only," to avoid mistakes in sending by express.

ALL PRICES on VEGETABLE SEEDS are net, but on **PACKETS**, up to 5 LBS. **WE PRE-PAY POSTAGE, EXCEPT WHEN NOTED.**

PURCHASER PAYS TRANSPORTATION on Plants, Shrubs, Potatoes, Farm Seeds, Grass Seeds, Implements, Sundries and Poultry Supplies; also Seed by gallon, peck and bushel.

EXPRESS AND FREIGHT CHARGES on large quantities are cheaper than Parcel Post. We charge no cartage to depots or the Express Company offices, nor do we charge for boxes, packing or for small muslin bags.

When seamless cotton bags are required they must be remitted for; 35c each.

THE PRICES QUOTED IN THIS CATALOG ARE NET. We reserve the right to advance prices without notice should current conditions require it.

PLEASE NOTE—ABOUT WARRANTING SEEDS

NON-WARRANTY. Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this Catalog will be executed on these conditions only. It must, however, be plain to everyone who gives the matter the slightest thought that it is to our best interests to send out only such stock as will not only grow, but prove true to name and description.

ST. LOUIS SEED COMPANY

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VEGETABLE PLANTING CHART

(For Planting Flowers, See Pages 44, 45, 46)

Planting time varies, depending on your location. This chart is based on St. Louis time. If you live farther north, planting time would be later; farther south, sooner. Depth of planting is given for light loam where seeds are planted deeper than in clay soil.

NAME OF VEGETABLE	Seed for 50 Feet of Row	Distance Between Rows	Plants Apart in Row	Depth to Plant	Time to Plant	Ready to Use
Artichoke, Green Globe	1 pkt.	4 ft.	2 ft.	2 in.	Mar., Apr.	18 mos.
Asparagus	1 oz.	2 ft.	6 in.	1/2 in.	Mar., Apr.	3 yrs.
Asparagus Roots	25	4 ft.	1 1/2 ft.	5 in.	Mar., Apr.	2 yrs.
Beans, Bush Snap	1/2 lb.	2 ft.	3 in.	1 in.	May to Aug. 15th	6-8 wks.
Beans, Pole and Lima	1/2 lb.	3 ft.	8 in.	1 in.	May to Aug. 1st	8-10 wks.
Beets	1 oz.	1 ft.	4 in.	1 in.	Mar. to Sept. 1st	6-10 wks.
Broccoli Plants	1 pkt.	18 in.	12 in.	1/4 in.	Mar. to Apr.	3 mos.
Brussels Sprouts	1 pkt.	18 in.	12 in.	1/2 in.	Mar. to Apr.	3 mos.
Cabbage Plants	50	24 in.	18 in.	3 in.	Mar. to Apr., July, Aug.	3-4 mos.
Cantaloupe	1 oz.	4 ft.	3 ft.	1 in.	May, June	3 mos.
Carrot	1 oz.	1 ft.	2 in.	1/2 in.	Mar. to Sept.	6-10 wks.
Cauliflower Plants	25	2 1/2 ft.	18 in.	3 in.	Mar. to Apr.	3 mos.
Celeriac	1 pkt.	2 ft.	6 in.	1/4 in.	Mar., Aug.	4 mos.
Celery Plants	100	2 ft.	6 in.	3 in.	Mar., Aug.	4-5 mos.
Chard, Swiss	1 oz.	2 ft.	4 in.	1 in.	Mar. to Sept. 1st	6-11 wks.
Collard Plants	50	24 in.	18 in.	3 in.	Mar. to Apr., July, Aug.	3-4 mos.
Corn, Roasting Ear	1/2 lb.	3 ft.	1 ft.	1 in.	Apr. to July	3 mos.
Cress	1 pkt.	18 in.	3 in.	1/2 in.	Mar., Sept.	5 wks.
Cucumbers	1 oz.	4 ft.	3 ft.	1 in.	May, June	3 mos.
Eggplant Plants	24	2 1/2 ft.	2 1/2 ft.	3 in.	May, June	2 mos.
Endive	1 oz.	14 in.	8 in.	1/2 in.	Apr. to Sept.	10 wks.
Fetticus, Corn Salad	1 oz.	12 in.	4 in.	1/2 in.	Mar., Sept., Oct.	2 mos.
Gourds	1 pkt.	4 ft.	4 ft.	1 in.	May, June	3-4 mos.
Horseradish Roots	50	3 ft.	1 ft.	4 in.	Mar., April	6-8 mos.
Kale or Borecole	2 pkts.	11 in.	6 in.	1/2 in.	Feb. to Oct.	3-4 mos.
Kohl-rabi	2 pkts.	14 in.	6 in.	1/2 in.	Mar., Apr., Oct.	8-10 wks.
Leek	1 oz.	14 in.	4 in.	1/2 in.	Mar., Apr., Sept.	4-5 mos.
Lettuce	2 pkts.	1 ft.	6 in.	1/2 in.	Mar. to June	2-3 mos.
Mustard	2 pkts.	12 in.	4 in.	1/2 in.	Mar. to Oct.	6-8 wks.
Okra	1 oz.	3 ft.	1 ft.	1 in.	Apr., May	3-4 mos.
Onion	2 pkts.	15 in.	2 in.	1/2 in.	Mar., Apr.	4-5 mos.
Onion Plants	100	15 in.	6 in.	2 in.	Apr.	2 mos.
Onion Sets	1 lb.	12 in.	3 in.	1 1/2 in.	Sept. to Apr.	3-4 mos.
Parsley	1 oz.	1 ft.	4 in.	1/2 in.	Mar., Apr., Aug.	3-4 mos.
Parsnips	1 oz.	1 1/2 ft.	4 in.	1 in.	Mar., Apr.	4-5 mos.
Peas, Garden	1 lb.	2 1/2 ft.	3 in.	1 in.	Mar. to May	7-9 wks.
Pepper	1 pkt.	3 ft.	2 ft.	1/2 in.	Apr. to June	3-4 mos.
Potatoes, Irish, Tubers	8 lbs.	2 1/2 ft.	1 ft.	2 in.	Mar., Apr., July	3 mos.
Potatoes, Sweet, Plants	50	2 1/2 ft.	1 ft.	3 in.	Apr., May	4 mos.
Pumpkin	1 oz.	6 ft.	4 ft.	2 in.	May, June	3-4 mos.
Radish	1 oz.	1 ft.	2 in.	1/2 in.	Feb. to Sept.	3-6 wks.
Rhubarb or Pie Plant	25	3 ft.	3 ft.	tips out	Feb., Apr.	1-2 years
Rutabaga	1 oz.	2 ft.	6 in.	1/2 in.	Mar.-Aug.	8-10 wks.
Salsify	1 oz.	18 in.	3 in.	1/2 in.	Mar.-May	4-5 mos.
Spinach	1 oz.	12 in.	4 in.	1 in.	Feb.-May, Sept., Oct.	4-5 wks.
Spinach, New Zealand	1 oz.	24 in.	12 in.	1 in.	Apr.-July	2 mos.
Squash	1 oz.	3 ft.	3 ft.	1 in.	Apr.-June	3-5 mos.
Tomato Plants	24	3 ft.	2 1/2 ft.	3 in.	May, June	3 mos.
Turnips	1 oz.	12 in.	8 in.	1/2 in.	Feb.-Sept.	8-10 wks.
Watermelon	1 oz.	6 ft.	4 ft.	2 in.	May, June	3-4 mos.

PLANTING TIME, QUANTITIES, AND WEIGHTS OF FIELD SEEDS

SEED	Weight per Bushel	Pounds per Acre	Time of Seeding
Alfalfa	60	18-20	March, May-August, September
Alsike Clover	60	8-10	January, April-August, October
Barley	48	70-90	March, April-September
Bermuda Grass	40	15-20	March-June
Blue Grass—heavy	22	75-100	February, June-August, October
Buckwheat	48	48-60	May-July
Cane, Fodder	50	50-65	May-July
Corn, Field	56	8-10	May-July
Corn, Ensilage	56	30-35	May-July
Clover, Alsike	60	8-10	January, April-August, October
Clover, Crimson	60	15-20	July-October
Clover, Japan	25	25-30	February-May
Clover, Red	60	10-12	January, April-August, November
Clover, Sweet	60	20-25	January, May-July, September
Clover, Sweet (Unhulled)	40	25-40	November-February
Clover, White (Lawns: 1 lb., 400 sq. ft.)	60	6-8	February, June-August, October
Cow Peas (Drilled)	60	45-70	May-August
Kaffir Corn—Milo Maize	56	20-30	May-July
Lawn Grass	25	75-100	February, April-August-October
Lespedeza, Korean	25	15-25	February-May
Lespedeza, Common	25	25-30	February-May
Meadow Fescue	24	40-50	March, May-August, September
Millet, German	50	40-50	May-July
Millet, Japanese	35	25-40	May-July
Oats	32	64-75	March-May
Orchard Grass	14	25-30	March, May-August-October
Pasture Mixture	25	35-50	March, June-August-October
Peanuts	24	15-20	May
Rape, Dwarf Essex	56	6-10	April-September
Red Top Solid (bu. 32 lbs.)	14	15-20	February, June-August-October
Red Top Unhulled	14	30-40	February, June-August-October
Rye, Winter	56	60-90	July-November
Rye Grass	24	30-50	February, June-August, October
Soy Beans (Drilled)	60	30-60	May-August
Sudan Grass	40	15-30	April-July
Sunflower	22	5-8	May-July
Timothy	45	10-15	February, May-August-November
Vetch, Hairy Winter	60	40-50	August-November



St. Louis Seed Co.'s Reliable Grass Seed

All our Lawn Grasses are re-cleaned and tested for highest quality, purity and germination.

One pound of Lawn Seed will sow 10 x 30 feet; 75 to 100 pounds to the acre.

The essentials for a fine lawn are a rich, well drained soil; the soil should be spaded or plowed at least eight inches deep, then enriched with a good dressing of Wizard Sheep or Cattle Manure, 100 lbs. to 1000 sq. ft., or Bone Meal, 125 lbs. to 2000 sq. ft. Careful preparation of the ground, making it as fine and smooth and mellow as possible; a wise selection of seeds; sowing at such a time to give the young plants a chance to become well established before being subjected to very dry weather or to the direct rays of the hot summer

sun. Too much care cannot be bestowed upon the selection of grasses, as some varieties are the most luxuriant in spring, others in summer, others again in autumn and a combination of the proper sorts is required for a perfect, carpet-like lawn. It may be planted early in spring or fall and should be sown at the rate of 75 to 100 pounds per acre. If sown in the spring, sow as early as possible.

Never work your soil while wet. This will sour the soil and your lawn will turn yellow during the growing season.

St. Louis Seed Co. Havalawn Grass Seed

Will insure a fine, velvety lawn. Every package bears our green label—no other is genuine.

Well balanced combinations of grasses will give better results than one variety. Often one variety will not thrive on certain soils, but where there is a combination of varieties, it will surely thrive, and our mixtures are so well blended that they give very satisfactory results. Liberal and frequent sowings are advised, especially on new lawns.

Havalawn is a mixture of the finest re-cleaned grass seed, a balanced mixture of Kentucky Blue, Red Top, Bent, Fescue and White Clover, the best sod and lawn producing grasses. Havalawn insures a steady succession of growth. Only seeds that produce fine velvety lawns are used. One lb. will sow 300 sq. ft.; 75 to 100 lbs. per acre. Lb., 30c; 3 lbs., 85c; 10 lbs., \$2.50; 25 lbs., \$5.25; 100 lbs., \$17.50.

St. L. S. Co.'s Bent Lawn Mixture. This mixture is composed of the finest grasses obtainable, consisting of the leading varieties of Bent grasses, which are mostly used in putting green mixtures. We would recommend to sow 1 lb. on 15 x 30 ft. Sow early in spring or during September. Lb., 85c; 3 lbs., \$2.50; 10 lbs., \$8.00; 25 lbs., \$19.00.

St. L. S. Co.'s Shady Lawn Mixture. This mixture is intended for all situations in partial or complete shade, and will be found valuable on grounds lying under the shadows of trees. It is a combination of fine dwarf-growing, evergreen varieties which grow naturally in shaded spots. Sow thickly. ½ lb., 20c; 1 lb., 30c; 3 lbs., 80c; 10 lbs., \$2.50; 25 lbs., \$5.25; 100 lbs., \$18.00.

Quick Results Mixture. This is intended for back yards, large playgrounds, etc., that are not intended to be kept cut as closely as other front lawns, and where grass is wanted quickly to cover unsightly places. Lb., 20c; 3 lbs., 55c; 5 lbs., 90c; 25 lbs., \$3.75; 100 lbs., \$13.50.

St. L. S. Co.'s Terrace Grass. Ordinary lawn grass will not hold the soil on terraces and embankments, which require a thick turf, composed of varieties which make strong roots to take hold of the soil. ½ lb., 25c; 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50; 25 lbs., \$8.00.

PLANT FOOD IS NEEDED TO MAKE LAWNS GROW

Fine lawn grasses require rich soil in which to do their best. When properly fed they will grow so luxuriantly as to crowd out weeds. Grass which is constantly cut makes a heavy drain on the food content of soil, and unless this is annually renewed, a lawn will deteriorate. For Plant Food see pages 94 and 95.

Lawn Grasses—Separate Varieties

All strictly re-cleaned and carefully tested for purity and germination.

On account of market fluctuations on many varieties of grass seeds, prices on larger quantities than those named will be quoted on request.

Blue Grass, Kentucky (*Poa pratensis*). Fancy extra re-cleaned. Kentucky Blue Grass is the most nutritious, hardy and valuable of all northern grasses. Sown with white clover it forms a splendid lawn; for this purpose use not less than 75 pounds of Blue Grass and 6 pounds of White Clover per acre. Lb., 30c; 3 lbs., 85c; 10 lbs., \$2.50; 25 lbs., \$5.25; 100 lbs., \$17.50.

Blue Grass, Canadian (*Poa compressa*). A very hardy perennial grass with creeping root-stocks. It grows on the poorest and driest soils—sandy, gravelly, or clayey, standing severe wetness or drought. Lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 25 lbs., \$5.50.

Bent, Creeping (*Agrostis Species* or South German Mixed Bent). Undoubtedly one of the finest grasses for putting greens. The distinctive feature of this species is its compact, creeping rooting stems. It is of rapid growth and spreading habit; the stoloniferous roots form a strong enduring turf which withstands hard usage. ½ lb., 50c; 1 lb., 95c; 3 lbs., \$2.75; 10 lbs., \$9.00; 25 lbs., \$21.00.

Bent, Seaside (*Agrostis maritima*). This is the variety which was first identified in Oregon. It is a hardy creeping variety forming close mat-like sward and is very desirable for putting greens. Does well in moist situations, making a rapid growth of fine texture. ½ lb., 50c; 1 lb., 95c; 3 lbs., \$2.40; 10 lbs., \$8.50; 25 lbs., \$20.00.

Bermuda (*Cynodon dactylon*). A most valuable grass for the southern course. It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf. It grows on all types of soils. ½ lb., 20c; 1 lb., 30c; 3 lbs., 85c; 10 lbs., \$2.70; 25 lbs., \$6.25.

Chewings' Fescue. (New Zealand-Grown). There is very little difference between this and the European-grown Red Fescue. It is a perennial and makes a fine turf. Does well in sandy soils, and in the shade. Sow either spring or fall, preferably the last week in August or the first week in September, at the rate of 5 lbs. to 1000 sq. ft. Lb., 40c; 3 lbs., \$1.15; 10 lbs., \$3.25; 25 lbs., \$7.50.

For Clovers, Corn, Field Seeds—see pages 42-43.

Clovers for Lawn

White or Dutch. A low, close-growing Clover, round, white heads, very fragrant. Very desirable for beautifying the lawn. 1 lb. covers 600 square feet. 1 lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.50; 25 lbs., \$10.50.

Fescue, Creeping Red (*Festuca rubra*). This is the true creeping variety which thrives well on poor soils, and is especially adapted for shaded locations. It forms a dense permanent turf which leaves little room for weeds to come through. The blades are narrow, dark green and velvety. Lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.50; 25 lbs., \$10.50.

Fescue, Red. A deep rooted species, specially adapted for dry sandy soils. It resists extreme drought and thrives on inferior soils, gravelly banks and exposed hillsides, also in the shade. Lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00; 25 lbs., \$7.00.

Fescue, Meadow (*Festuca pratensis*). This grass is also called English Blue Grass; flat and bright green. Grows to a height of 30 inches when left uncut. For wet soils few grasses are equal to Meadow Fescue. Lb., 20c; 3 lbs., 50c; 10 lbs., \$1.60; 25 lbs., \$3.40; 100 lbs., \$12.50.

Poa trivialis. An ideal grass for shade. A spreading, thickly matting stoloniferous-rooted species; leaf blades narrow, flat and dark green in color. Forms a fine turf and adapted for shady situation on fairways under trees. Thrives on moist and stiff clay lands. Lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00; 25 lbs., \$7.00.

Red Top, Fancy (*Agrostis palustris*). Is a perennial grass with a creeping habit of growth, leaf blades narrow. Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought-resistant. A very valuable grass for fairways especially on land lacking lime. Lb., 25c; 3 lbs., 65c; 10 lbs., \$2.00; 25 lbs., \$4.25; 100 lbs., \$14.00.

Rye Grass. Very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. Lb., 20c; 3 lbs., 50c; 10 lbs., \$1.60; 25 lbs., \$3.40; 100 lbs., \$12.50.



Vegetable Plants

Plants sent by express, purchaser paying charges.

Please Note: All vegetable plants on this page are grown especially for us, are in stock at our store and are strong, transplanted plants.

Asparagus Roots

Extra Choice Two-Year Roots.

	Doz.	4 doz.	1000
Washington Rust-Proof ..	\$0.25	\$0.80	\$8.00
(By parcel post, add 5c per doz. postage).			

Horseradish Roots

The soil should be very rich and well cultivated. 12 for 15c; 4 doz. for 50c; 100 for 75c; 1000 for 6.00. (By parcel post, add 10c per 100 postage).

Rhubarb Roots

When only a few plants are required, we would suggest the purchase of roots instead of seed. Transplant roots in fall, or spring, in highly manured soil, setting them 4 to 6 feet apart each way. Do not pull stalks until second year after transplanting roots.

	Each	Doz.
2-year-old	\$0.10	\$1.00
(By parcel post, add 5c each, or 25c per doz.).		

Tomato Plants

We make a specialty of growing Tomato plants and can furnish the following varieties after May 10th in fine, strong, stocky plants. Ready May and June.

	Doz.	4 doz.	8 doz.
Ponderosa	\$0.15	\$0.50	\$1.00
Early Detroit .....	.15	.50	1.00
Dwarf Stone .....	.15	.50	1.00
Improved Excelsior ....	.15	.50	1.00
Marglobe .....	.15	.50	1.00

(By parcel post, add 15c per 100 for postage).

Cabbage Plants

Plants should be set about 2½ to 3 feet apart.

	25	50	100
April and May delivery.			
Wakefield	\$0.20	\$0.35	\$0.60
Golden Acre .....	.20	.35	.60
All Season .....	.20	.35	.60
(By parcel post, add 10c per 100 for postage).			

Cauliflower Plants

April and May delivery. Plants should be set 2½ to 3 feet apart.

	Doz.	4 doz.
Early Dwarf Erfurt	\$0.10	\$0.35

Kohl-rabi

	25	50	100
Price	\$0.20	\$0.35	\$0.60
(By parcel post, add 10c per 100).			

Pepper Plants

Ready for May and June.

	Doz.	4 doz.	8 doz.
Bell or Bull Nose	\$0.15	\$0.50	\$1.00
Harris Giant .....	.15	.50	1.00
Red Cayenne .....	.15	.50	1.00
(By parcel post, add 5c per doz. postage).			

Sweet Potatoes

	50	100	1000
Red and Yellow	\$0.25	\$0.45	\$4.00

Ready May and June.

(By parcel post, add 15c per 100).

If Frost-Proof Onion Plants are wanted, write for price.

Strawberry Plants

Plants ready April, May and October.

Strawberry plants are not in stock, but are sent direct to you from the nursery.

Notice: Varieties marked (S) are Staminate, Perfect-Flowering and Bi-Sexual. Varieties marked (P) are Pistillate and destitute of stamens, so when planting those marked (P) it will be necessary to have every third row a Perfect-Flowering or (S) variety to properly fertilize the bed; by so doing you obtain much finer fruit.

Spring-Bearing Varieties

Blakemore. (S). Extra early. A cross between Premier and Missionary. Originated by the U. S. Dept. of Agriculture. Fruit is large, firm, dark red, of conical shape. Good plant maker and heavy bearer. Best for early market or home use.

Senator Dunlap. (S). Medium. The Senator Dunlap is one of the old standbys among Strawberry varieties. It is grown under more conditions and by more people than any other variety. The berries are of high quality and handsome appearance.

Aroma. (S). Late. The Aroma is one of the best late varieties for both northern and southern sections. It is the one variety that comes nearest to being fitted for both the North and South.



Warfield. (P). Medium. The Warfield has had a popularity that comes to few varieties. The beautiful, cone-shaped berries have a fadeless dark red interior that makes a strong appeal wherever seen.

Klondyke. (S). Of large and uniform size; fine form and color, great vigor of plant and productive.

Gandy. (S). Late. Very productive; fruit large and a good keeper.

ABOVE VARIETIES

	25	100	1000
Price	\$0.40	\$0.90	\$8.00

EVERBEARING STRAW-BERRIES

Mastodon. The Mastodon, which was just recently introduced, is a fall-bearing variety of great promise. This variety should give excellent results throughout the northern half of the country, especially where water can be applied during dry weather and where special attention can be given to the plants. 25 for

85c; 100 for \$1.75; 1000 for \$10.50.

Progressive. This is the most wonderful ever-bearing Strawberry. A healthy and strong grower; very productive, from June until freezing weather; succeeds well anywhere. 25 for 75c; 100 for \$1.50; 1000 for \$9.50.

Write for special prices on lots of 5000 or more.

General List of Highest Grade Vegetable Seeds

It has always been our endeavor to list only sorts of vegetable seeds as, from our tests and experience, we have found to be of superior merit. In many instances, we have stricken out varieties that were out of date, but have always listed a superior sort that we could honestly recommend as better for the home garden as well as for the market gardener.

Artichoke

Seed may be planted during March or April in seed bed arranged so that the young plants can be given protection until danger of frost is past. When large enough to transplant they should be set in rows about 4 feet apart and about 2 feet apart in the row. In localities where winter temperatures are not severe such plants will produce a crop of buds the second year. Where winters are severe they must be mulched with a heavy dressing of leaves or straw to thoroughly protect the crowns.

Note: The seed we offer is of the true Artichoke and should not be confused with the Jerusalem Artichoke.

Green Globe. The plants of medium height with large, thistle-like, medium deep green foliage. The edible buds or flower heads are deep green, globe-shaped or ovoid. The fleshy bud scales are



Green Globe
Artichoke

moderately broad and full at base and are regarded as a delicacy. Pkt., 10c; oz., 35c; ¼ lb., \$1.25.

Asparagus

One ounce will sow about 50 feet of drill.

When starting the bed from seed it is advisable to soak the seed for 24 hours before planting. This makes germination more rapid and certain. Sow in spring in rows about 18 inches apart, allowing 15 to 20 seeds to the foot. Cover 2 inches deep. When plants are well established, thin to about an inch apart. The plants will be ready to set in a permanent bed the following spring.

Mary Washington. A strain selected from Martha Washington. It is a little earlier. The shoots are slightly ovoid in shape, firm and tender and richly flavored. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.

Martha Washington. The shoots of this vigorous and prolific variety are large, deep green tinged with purple at the tips, and are resistant to Asparagus Rust. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.



Mary Washington
Asparagus.

Palmetto. A reliable, early maturing and prolific variety. It is highly esteemed for its very large, tender, deep green shoots which are produced in abundance. Pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 75c.

Asparagus Culture

A reliable book on planting, cultivating, cutting and use of asparagus. Price, \$1.10, post-paid.

Asparagus Roots

(By parcel post, 5c per dozen extra).

Culture: When planting roots for the permanent bed the soil should be worked to a depth of 16 or 18 inches and a liberal dressing of stable manure or peat moss and a good fertilizer applied. Make trenches about 4 inches deep and 6 inches wide and place the roots, crown up, about 18 inches apart, being careful to spread them in a flat position. Leave the rows at least 4 feet apart. Early in the spring spade in a liberal dressing of manure between the rows and apply about 2 pounds of ammonium sulphate to 1500 square feet. Asparagus should not be cut until the second year.

Washington (Rust-Proof). Extra choice, 2-year roots, 25c per doz.; 4 doz. for 80c; 1000 for \$8.00.

Accessories

Asparagus Tape. No. 21. Fast red, in 1000-yard spools. \$2.95.

Asparagus Tape. Fast blue, in 1000-yard spools. \$2.95.

Asparagus Knife. Highest grade crucible steel, highly polished blade. 7 ¾ inches long, 1 ¼ -inch blade. 60c each.



Jute Twine. For tying asparagus, 2- and 3-ply; soft and pliable. Per ½-lb. ball, 20c.

Cotton Twine. For tying asparagus, 3- and 4-ply; Best grade. Per ball, 10c; bag, 5 lbs., \$2.35.

Asparagus Salt. Applied in the spring for destroying weeds, 800 lbs. per acre. \$2.00 per 100 lbs.

Sulphate of Ammonia. A wonderful fertilizer for asparagus. Guaranteed 25 ½ per cent ammonia; highly concentrated, use 600 lbs. per acre. Per 100 lbs., \$4.00.

Nitrate of Soda. Carries nothing but nitrogen (ammonia)—no phosphoric acid or potash. It is highly stimulating; use 800 lbs. per acre. 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25.

Dwarf Beans

One pound will plant 100 feet of row; thirty pounds will plant an acre.

At the following prices on Beans,, packets up to five pounds are sent prepaid, all larger quantities are shipped at purchaser's expense.

Culture: Plant about the first of May in rows, placing the seed 2 to 3 inches apart in drills about 2½ inches deep. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and keep the Beans from touching the ground. Most Beans should be picked when about 5 inches long. Frequent pickings insure a more prolonged bearing season. For succession plant every two weeks up to August 1st.

Varieties marked (*) are best for Home Garden.

Green-Podded Varieties

***Bountiful Stringless.** 48 days. This is the best flat-podded stringless variety. The light green pods are 6½ to 7 inches long, stout, flat, somewhat curved, absolutely stringless. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

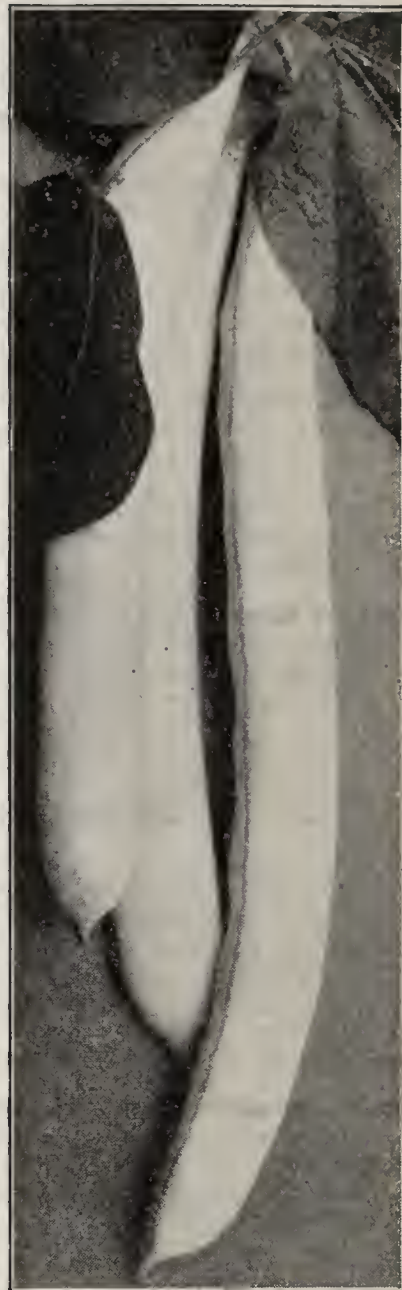
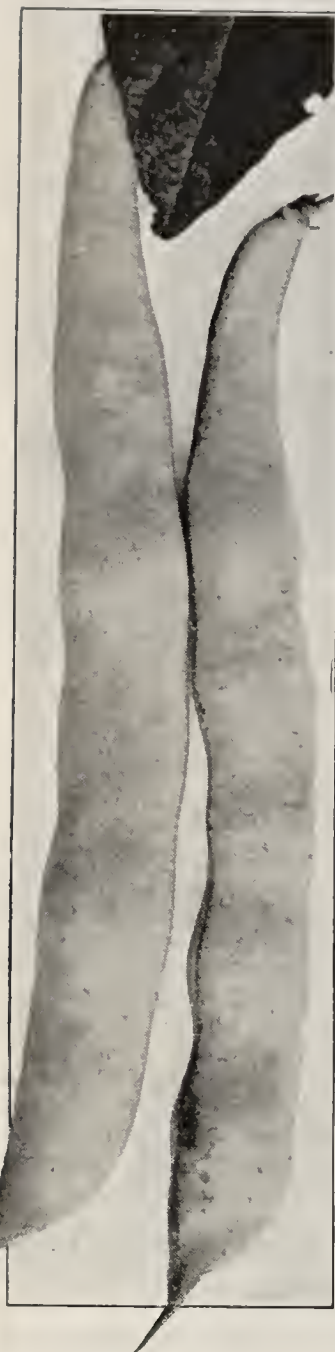
***Full Measure.** 54 days. Well adapted to home garden use and is rapidly becoming one of the most popular of the round-podded green Beans. Pods are medium green, round, fleshy, fine grained and strictly stringless. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

Giant Stringless Green Pod. 56 days. The pods are large and nearly round, and of medium green color. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

***Mammoth Stringless Green Pod.** (Tender-green). 56 days. A very high quality green-podded sort, producing large pods, some of which measure 6 inches in length, of the finest quality. Pods are perfectly round. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.15.

***Stringless Refugee.** 60 days. Splendid canning variety; young pods particularly valuable for canning and pickling whole. Pods medium green; very uniform, 5 to 5½ inches long, ¾ inch thick, round. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

Stringless Green Pod. (Burpee's). 52 days. A very desirable dwarf green-podded snap Bean largely grown for the market. The pods are medium green, 5 to 6 inches long, are of high quality and remain crisp and tender. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.



Valentine, Improved Early Round Pod. 45 days.

Vines strong and vigorous; pods green, medium length with creases in the back; very fleshy, crisp and tender. Pkt., 5c; ½ lb., 15c; 1 lb., 25c; 5 lbs., 85c.

White Navy. (Shell Bean). The famous little white soup Bean. Pkt., 5c; ½ lb., 15c; 1 lb., 25c; 5 lbs., 85c.

Wax-Podded Varieties

***St. L. S. Co.'s White Wax.** 48 days. This round-podded Dwarf Wax Bean has attained the top notch among Beans of this class, the pods average 5 to 6 inches in length, a round-podded wax variety; they are very solid, meaty and tender. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Currie's Rust-Proof Wax. 50 days. Well adapted for shipping. Plant thrifty and productive. Pods attractive, yellow, 6 inches long, straight, ½ inch wide, thick. Seeds black. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

Golden Wax. 48 days. A splendid home garden variety; also much used for canning. Plant small, productive. Pods very attractive; golden yellow; 4½ to 5 inches long, thick, oval, fleshy, brittle, stringless. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

Pencil Pod Wax. 52 days. Very desirable for home and market garden and for truckers. Plant large and thrifty, heavily productive over long period. Pods handsome bright yellow; 5½ to 6 inches long. Seeds black. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

PRICE OF BEANS—Delivery Charges Extra

	10lbs.	25lbs.	100lbs.
Mammoth Stringless ..	\$1.70	\$4.00	\$15.00
Bountiful	1.60	3.75	14.00
Full Measure	1.60	3.75	14.00
Giant Stringless	1.50	3.50	13.00
Stringless Green Pod ..	1.60	3.75	14.00
Stringless Refugee	1.60	3.75	14.00
Red Valentine Improved	1.50	3.50	13.00
St. L. S. Co.'s White Wax	1.70	4.00	15.00
Golden Wax	1.60	3.75	14.00
Pencil Pod Wax	1.60	3.75	14.00
Currie's Rust-Proof ...	1.60	3.75	14.00

Pole Beans

One pound will plant 100 feet of row; thirty pounds will plant an acre.

At the following prices on Beans, packets up to five pounds are sent prepaid, all larger quantities are shipped at purchaser's expense.

Culture: Pole Beans are more sensitive to cold than the bush kinds, and should not be planted before the ground is warm—in this latitude, after May 1st. Set poles 6 to 8 feet long, 3 to 4 feet apart, in 4-foot rows and plant five or six beans 2 inches deep around each pole.

St. L. S. Co.'s White Cornfield. 65 days. An early maturing, green-podded, white-seeded pole sort, desirable for snaps and unsurpassed in its class as green shell beans. The pods are round, very long, often 8 to 9 inches, irregular in shape and quite stringless. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

Kentucky Wonder (Old Homestead). 65 days. Unexcelled for home and market garden. Excellent climber, thrifty, heavily productive. Pods medium green; 8 to 9 inches long, nearly round and ½ inch in diameter; slightly stringy, fleshy. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Lazy Wife. 74 days. Excellent for snaps, green shell, and dry shell beans for home and market garden. Good climber, heavily productive. Pods medium green; 6 ½ inches long. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Horticultural (Speckled Cranberry). 70 days. Standard for home market. Good climber. Pods 6 inches long, ⅝ inch wide, thick, dark green at snap stage, becoming yellowish green splashed with violet-red at green shell stage. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Lima Beans—Dwarf

Kramer's Bush Lima. 70 days. This excellent new variety is of special value because it matures early. Pods are 4 ½ inches long and 1 ¼ inches wide, each containing four fair sized beans of splendid quality. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

St. L. S. Co.'s Improved Bush Lima. 70 days. Similar to Burpee's Bush Lima, except smaller. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.

Broad Windsor. 85 days. An old-fashioned English shell Bean. Dry beans very large and yellowish green. Pkt., 10c; ½ lb., 25c; 1 lb., 45c.

Fordhook Bush Lima (Potato Lima). 75 days. Plant large, erect, heavily productive. Pods 4 to 4 ½ inches long, contain 3 to 4 seeds. Green shell beans large, plump, of the highest quality. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

Henderson's Bush (Baby Lima). 65 days. Popular for canning. Plant medium large, productive. Pods small, 3 inches long, contain 3 to 4 seeds. Green shell beans small, flat, of splendid quality. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

Burpee's Improved Bush Lima. 75 days. Plant large, heavily productive. Pods large, 4 ½ to 5 inches long; usually contain 4 large, thick beans. Dry beans large, flat, greenish white. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.

Pole Lima Beans

St. L. S. Co.'s Genuine Butter. 80 days. These Beans have a creamy white color, in large pods; more delicious than the ordinary Lima Bean. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

King of the Garden. 88 days. The true "King" of the Limas. The favorite of the market gardeners on account of its long, well filled pods. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.

Small White Lima (or Sieva). 82 days. A very reliable heavy yielding, early variety. The earliest of the Pole Limas, bearing green shell beans in 78 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.

PRICE OF BEANS—			
	Delivery	Charge	Extra
	10 lbs.	25 lbs.	100 lbs.
St. L. S. Co.'s White Corn-			
field	\$2.30	\$5.50	\$21.00
Kentucky Wonder	1.80	4.25	16.00
St. L. S. Co.'s Genuine			
Butter	2.50	6.00	23.00
King of the Garden	2.00	5.00	19.00
Small White Lima	2.00	4.75	18.00
Burpee's Imp. Bush Lima	2.20	5.25	20.00
Improved Bush Lima ..	2.00	4.75	18.00
Henderson's Bush Lima.	1.65	3.85	14.50
Kramer's Bush Lima ..	2.40	5.75	22.00
Fordhook Bush Lima ..	2.60	6.25	24.00



Beets

(Varieties marked (*) best for home use).

Seed should be sown at the rate of one ounce to 50 feet of row; 5 to 6 lbs. to acre. The rows should be spaced 16 to 18 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable but nearly all types of soil will produce Beets if sufficiently fertilized and properly tilled.

When the seedlings are about an inch tall it is well to thin them to about one-half inch apart.

By planting at intervals of two to three weeks until July, a regular supply of greens and beets may be had until late fall. The roots from the later plantings may be stored and kept for winter use.

Boston Crosby. 54 days. An exceptionally good selection from Crosby's Egyptian, being more "globy"; with a smaller top and tap root, maturing in 63 days. Roots are remarkably uniform, very dark red; flesh deep purplish red with little tendency to zoning. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c; 5 lbs., \$3.50.

***Detroit Dark Red** (Selected). 55 days. The standard of excellence in table Beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap root; very dark blood-red. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c; 5 lbs., \$3.50.

Extra Early Egyptian. 50 days. Best for forcing and particularly valuable for early market. Tops small and upright; roots flattened, with long slender tap roots; flesh dark purplish red zoned lighter. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.



Early
Table
Beets.

***Early Table.** 54 days. The roots are very smooth, even in size and shape, which is almost perfectly globular. The tap root is slender and the root pinches closely at the base of the tap root. The skin is smooth and very dark red. Fine for market garden, also canning and pickling Beet. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c; 5 lbs., \$3.50.

Early Wonder. (Selected). 54 days. This is the earliest Beet for bunching purposes. Its beautiful deep blood-red, nearly globular root, small sized top, small clean tap root and attractive appearance make it valuable for market garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c; 5 lbs., \$3.50.

Crosby's Egyptian (Selected). 56 days. The roots are flattened globe-shaped and very smooth. This is one of the best for early planting outdoors and is much used for bunching. It is the favorite of the market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 80c; 5 lbs., \$3.50.

Edmand's Blood Turnip. 60 days. A desirable second early market Beet, suitable also for the home garden. Roots nearly round; color dark red. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

***Half Long Dark Blood.** 60 days. A standard late variety of very good quality which keeps well through the winter. The roots are smooth, rather slender. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.



Detroit Dark Red.

Mangel Wurzel

One ounce of seed plants 100 feet; 5 lbs. per acre.

The roots give an immense yield of valuable stock feed. Plant early in the spring in rows 2 ½ feet apart. Cultivate frequently. When the plants are 3 inches high, begin to thin until the roots are 10 inches apart.

Giant Half-Sugar, Rose Top. Roots long, oval, tapered; grayish white with rose colored shoulder; flesh white, rich in sugar. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

Golden Tankard. Roots large; thick, oval, nearly cylindrical; light gray above, deep orange below ground; flesh yellow with white zones. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

Mammoth Long Red. Roots very large; long spindle shape, straight and thick; grow one-third to one-half out of ground; light red; flesh white tinged with rose. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 50c.

Beet, Spinach or Swiss Chard

Culture—Same as for Beets.

Large Ribbed White (Silver Leaf). The leaves are broad, somewhat waved but smooth and are of a medium light yellowish green color. The stalks are broad and flattened, but tender and succulent, and are a good substitute for asparagus. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

Lucullus. A delicious variety having pale green leaves which are remarkably crimped and curled, like Savoy Cabbage. The stiff-ribbed chards are white and broad. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

Borage

A hardy annual used as a pot herb and for bee pasturage. The bruised leaves immersed in water give it an agreeable flavor and are sometimes used in salads. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Broccoli

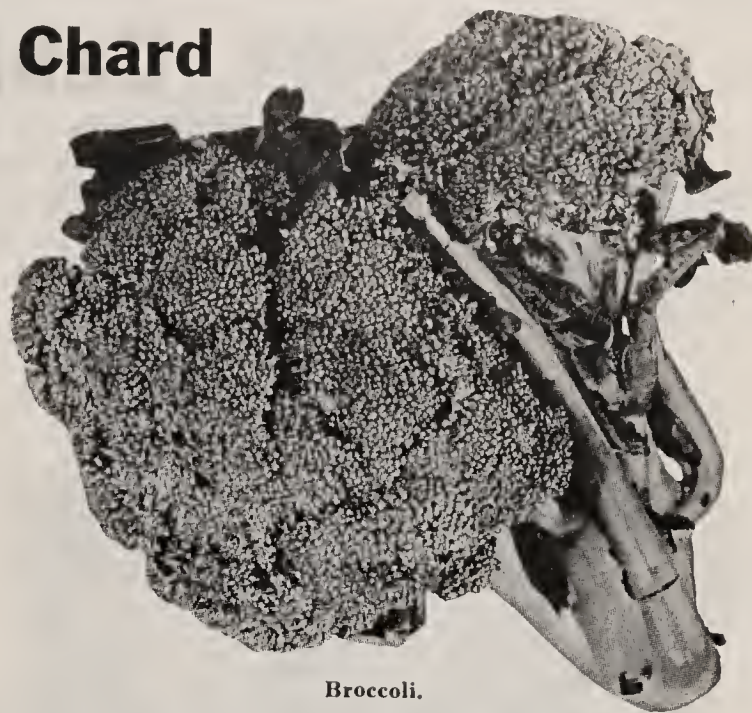
Closely allied to the Cauliflower. It is generally considered rather more hardy. Sow seed in frames early in spring, culture same as cauliflower.

Green Sprouting Calabrese. This is a distinct variety grown by Italian market gardeners for Italian trade only. The plants form a large, solid head which remains green. After this head is cut out, a number of sprouts develop from the leaf-axils, each sprout terminating in a small head about one inch in diameter. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$2.90.

Brussels Sprouts

Small shoots like miniature cabbages clustered around a stem are the valuable part of this member of the cabbage family. They are grown wherever conditions are favorable for late cabbage and require the same culture. They mature best in the autumn after the weather becomes cool.

Long Island Improved. Plant dwarf and compact; 20 inches tall; very uniform; stem well covered with firm, round, cabbage-like balls of $1\frac{1}{4}$ to $1\frac{1}{2}$ inches in diameter which mature in succession. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.



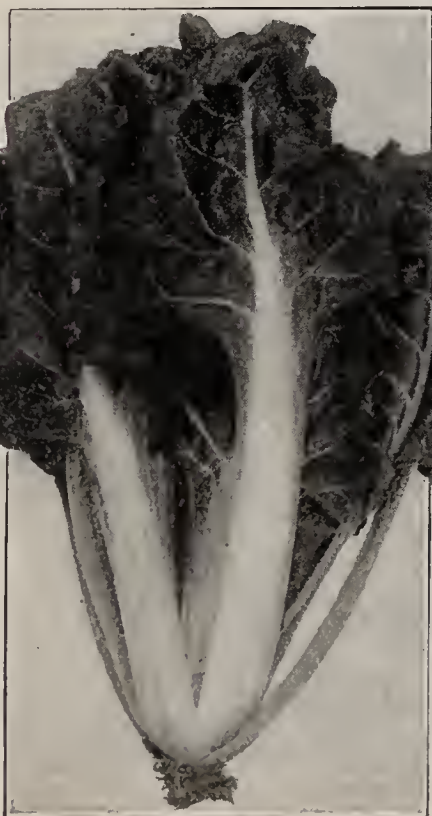
Broccoli.

Chinese Cabbage

This is not a true Cabbage and is often called Celery Cabbage on account of the shape of the heads which resemble celery. The leaves are more like those of turnip in color and texture. The flavor is distinct and in the raw state is considered superior to cabbage. It combines the qualities of both celery and cabbage and is highly prized as a salad vegetable. Plant seed out-of-doors at the same time as turnips. Thin to 12 to 16 inches apart in the rows. If planted too early this species will "bolt" during hot weather and fail to form heads.

Wong Bok. A comparatively short type with blocky heads, 8 to 10 inches tall, tightly folded and are rich creamy white in color. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$1.90.

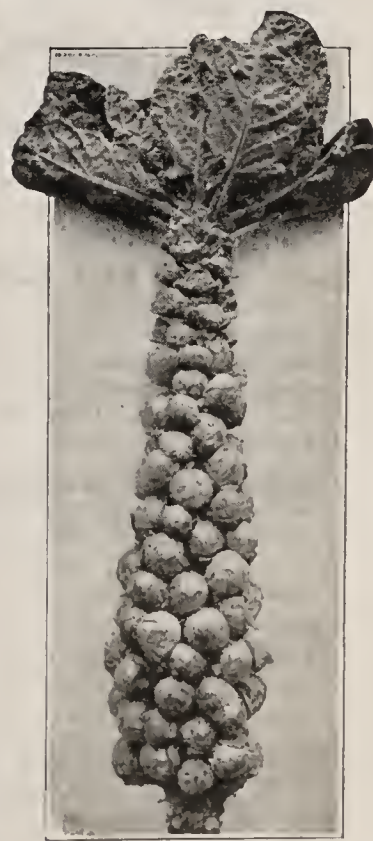
Chihli. This is a sure heading, vigorous growing variety with erect, dark green, roughened leaves which enclose a cylindrical pointed head 18 to 20 inches long. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$1.90.



Swiss Chard.



Chinese Cabbage.



Brussels Sprouts.

Cabbage

One ounce will produce about 2000 plants; $\frac{1}{4}$ lb. seed in beds will produce plants for one acre.

Culture: Sow the early kinds in hotbeds in February and March, and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts 20 inches distant in a row and 2 feet between the rows; the later sorts 2 $\frac{1}{2}$ feet each way. To be well grown, Cabbages require a deep, rich loamy soil. Our Cabbage seed is especially grown for us, and we offer it as being of superior quality. (Varieties marked (*) best for Home Garden).



Golden
Acre
Cabbage.

Early Varieties

***All Season or Surehead.** 85 days. The name best describes this variety as it is sure-headed, of the flat Dutch type of heads and a first class main crop. The heads are very large, extremely hard and solid. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Charleston or Large Wakefield. 70 days. The exceeding hardness and size of this first early variety have made it very popular. It is especially recommended for succession to follow Jersey Wakefield. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

***Copenhagen Market.** 65 days. A perfect, tightly folded head averaging 5 to 8 pounds in weight. The compact growth of the plant, the solidity of the head, its excellent flavor, and extreme earliness—all combine to make Copenhagen Market one of the most popular early Cabbages. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Early Dwarf Flat Dutch. 70 days. Excellent for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7 to 8 inches in diameter, 6 inches deep, and weigh 4 $\frac{1}{2}$ to 5 lbs.; firm and of high quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

***Early Jersey Wakefield.** 62 days. Extremely early variety, very valuable for home and market garden. Heads firm and conical, usually 7 inches long, 5 inches thick near base; weight 2 to 2 $\frac{1}{4}$ lbs. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

***Golden Acre.** 62 days. A very fine sort from Denmark. The earliest round headed Cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weigh 3 pounds. This is similar to Copenhagen Market but is several days earlier, and the heads are smaller. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.

Late Varieties

American King. 100 days. Mammoth solid heads, weighing from 8 to 12 pounds. Its chief points of merit are its absolute reliability of a sure crop, its uniformly large size of head, its great drought and worm-resisting qualities. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Hollander or Danish Ballhead. 92 days. Very hardy, sure heading, very solid, of good quality and is one of the very best keepers. The heads are medium sized, round, exceptionally solid. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Improved Brunswick. 85 days. Ours is the true short stem type. Good for early and late crops, and attains an extraordinarily large size. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Marion Market. (Yellows Resistant). 85 days. This was originally bred up from Copenhagen Market, but differs from the latter in several respects. It takes about 20 days longer to mature. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

St. Louis Late Market. 95 days. The plants are exceptionally vigorous, with very large, broad, spreading outer leaves which are moderately smooth or very slightly waved and slightly blistered. This is considered by many as the standard, very large late Cabbage. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Superior Late Flat Dutch. 100 days. We recommend this sort for markets that require a very large and deep head. The plants are large, fairly compact but distinctly vigorous with medium length stem and large outer leaves. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.



All Season or Surehead.

CABBAGE—Continued.**Red Cabbage**

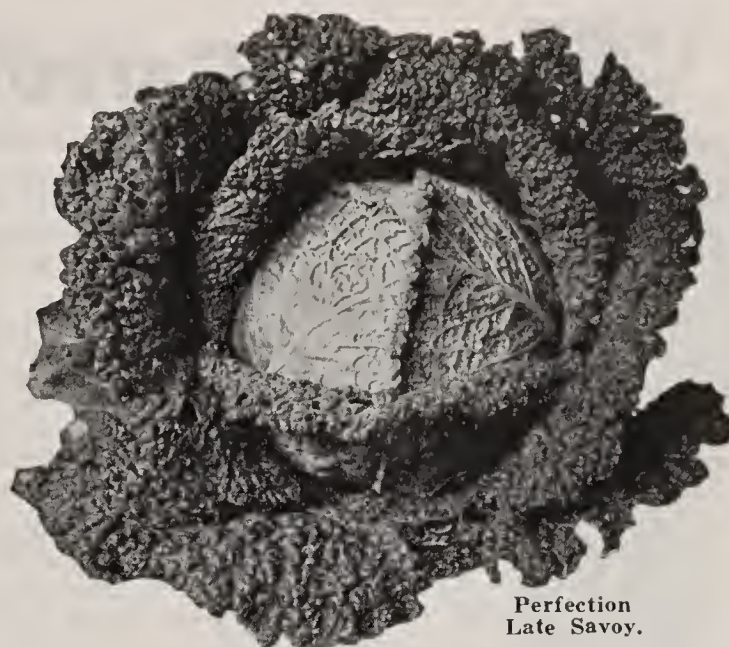
Early Red Erfurt. This is a favorite variety with those who like Red Cabbage. The heads grow medium size and are practically ball-shaped. Pkt., 10c; ½ oz., 20c; oz., 35c.

Mammoth Rock Red. The largest and surest heading red Cabbage. Pkt., 10c; ½ oz., 20c; oz., 35c.

Savoy or Curled Cabbage

Early Dwarf Ulm Savoy. A very early and superior dwarf variety of fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c.

Perfection Late Savoy. The best of the main crop and late Savoys for home use or market. Pkt., 10c; ½ oz., 20c; oz., 35c.

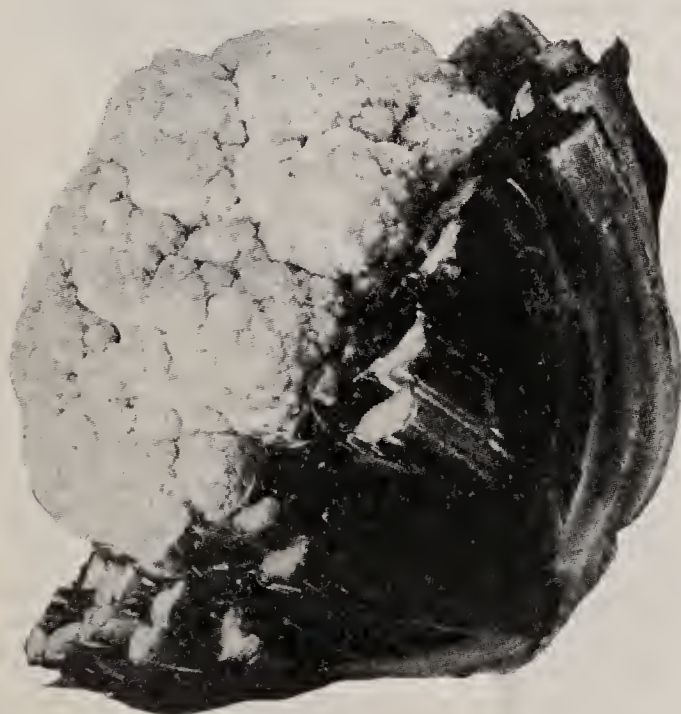


Perfection
Late Savoy.

St. Louis Seed Co.'s Selected Cauliflower

One ounce of seed will produce from 3000 to 4000 plants.

Culture: For spring and early summer crop, sow in February or early in March in hotbed. If soil is not too wet, seed should be thoroughly pressed into the ground after sowing. This insures quick germination. Cover seed with one-half inch of fine soil firmly pressed down. Transplant to cold frame when sufficiently large to handle. As soon as danger of hard freezing is over set in the open ground in rows 2½ to 3 feet apart and 18 inches apart in row. The plants will endure a slight frost. The soil for Cauliflower should be like that for cabbage, but it is better if made richer than is ordinarily used for that crop.



St. Louis Seed Co.'s Super Snowball Cauliflower.

St. L. S. Co.'s Super Snowball. 65 days. This Snowball is healthier and more vigorous than any of the old stocks. The head is perfectly protected by leaves until it reaches a size of five inches in diameter, when only it needs to be tied up; and then, if growing conditions be favorable, the head will attain marketable size in a few days' time. Pkt., 10c; ¼ oz., 65c; oz., \$2.00; 4 ozs., \$7.00.

St. L. S. Co.'s Early Perfection Erfurt Forcing. 54 days. Heads of medium size, compact, and very white. Has few short, upright leaves. A very sure header. Pkt., 10c; ¼ oz., 65c; oz., \$2.00.

Extra Early Dwarf Erfurt. 56 days. Extra select. It is of dwarf habit with short outside leaves and is similar in most respects to Early Snowball and nearly as early. The curd is white, exceptionally deep and of finest quality. Pkt., 10c; ¼ oz., 50c; oz., \$1.50; ¼ lb., \$5.00.

Early Snowball. 54 days. It is admirably adapted for forcing or wintering over for early crop and is the most popular sort for these purposes, also one of the best sorts for late summer and fall crop. The plants are compact, with few short, outside leaves and are well suited for close planting. The heads are of medium to large size, solid, compact, round, very white. Pkt., 10c; ¼ oz., 50c; oz., \$1.50; ¼ lb., \$5.00.

Cardoon

Culture: This is related to the Globe Artichoke, but it is grown for the leaf stems. When served like asparagus these make a very palatable dish. The stalks require blanching, and the plant is raised much like celery. The rows should be about 4 feet apart and the plants 2 feet apart in the rows. A rich soil is necessary for the production of a good crop.

The vegetable is ready for use in late fall or winter.

Large Smooth. A tender and richly flavored variety which blanches easily and makes an attractive appearance. Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

Carrot

One ounce will sow 100 feet of drill.

Culture: April is the time to sow for early use. Sow seeds in drills 12 to 15 inches apart, and thin out from 3 to 4 inches in drills, covering seed about one-half inch. For general crop sow in May and June.

Carrots are not appreciated as they should be. Their table qualities are excellent, and as a food for stock they are surpassed by few root crops. We urge a more general use of the Carrot among our customers. Like other root crops, it flourishes best in a well enriched, sandy soil, deeply tilled, and if plowed the fall before, so much the better.

***Chantenay Early Half-Long Scarlet.** 70 days. Extra fine. This extensively used, half-long early variety has small tops and is excellent for the market or home garden. The roots are cylindrical, smooth and of a bright orange color. This variety is of the finest quality and is one of the most symmetrical and handsome of the medium sized sorts. The mature roots are usually five to six inches long. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10.

Red-Cored Chantenay. 70 days. This is a distinct improvement over the well known Chantenay, especially in color, texture, and quality of flesh. Roots 5½ to 6 inches long, 2¼ inches thick at the shoulder, tapered, stump-rooted; flesh and core reddish orange. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10.

Danvers Half-Long. (Selected). 75 days. For a general crop Danvers Half-Long Carrot stands supreme; a half-long orange Carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. It is a desirable second early Carrot for the home garden and is also suitable for field culture. The tops are of medium size. The mature roots are of medium length, 6 to 8 inches long. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10.



St. Valery
Carrot.



Chantenay
Early Half-Long
Scarlet Carrot.

Frankfurt Stump-Rooted. 80 days. The roots are cylindrical, stumped, smooth, 6 inches long, symmetrical. They are coreless and bright orange. Fine grained, tender, brittle, sweet flavored. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10.

***Improved Rubican Stump-Rooted.** 70 days. One of the best for home garden and early market. Tops small. Roots bright orange; 6 to 7 inches long, 1¼ inches thick; cylindrical; stump-rooted. Flesh bright orange. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10.

***Ox-Heart or Guerande.** 70 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper. Roots scarlet-orange; broad, blunt, heart-shaped; become 4½ to 5 inches long. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

St. Valery. 85 days. The roots are very deep orange, long and comparatively thick, often 12 inches in length and 3 inches in diameter at the crown, tapering regularly to a point. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.



Witloof Chicory.

Chicory

Sow seed as early in the spring as the ground can be prepared, in rather light, moderately rich soil, in rows 2 to 2½ feet apart.

Witloof Chicory. In order to grow good "Witloof" the seed should be sown during April in the open ground, in drills 10 to 12 inches apart, in deep, rich soil. Allow the plants to grow until November, then take up the roots and trim off the leaves up to about 1½ inches from the neck. Then plant in a trench 8 to 12 inches deep, placing the roots upright, about 1½ inches apart. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Large Rooted. The finest flavored and hardiest growing variety. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

(Varieties marked (*) best for home garden).

Celery

One ounce will produce about 3000 plants.

A row of Celery in the home garden will supply a family with a delicious vegetable until late in the fall. Its hardy qualities and adaptability to various soils and weather conditions make it a very desirable crop to grow.

Culture: The proper time to sow is early in April, transplanting about the first of June. Set in rows 3 feet apart, and about 8 inches between plants in the row.

Curled Celery. This variety is a great favorite of the gardeners for cuttings and bunching. Its use for flavoring has made it very valuable and should be grown on that account. For use in soups, etc., it is unexcelled. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.

Florida Golden. A selection from Golden Plume, bred for taller growth, increased weight, and larger, thicker stems. Matures early. Hearts blanch to a rich cream color of exceptionally fine quality and excellent flavor. Stems broad and thick, solid and crisp. Plants full hearted and compact. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10.

Golden Detroit. This is a pure selection of the Dwarf Golden Self-Blanching type. The handsome plants are heavy, very compact, stems are broad, and very thick. It grows about 18 inches high and the edible portion is 6 to 7 inches long. The leaves are a clean bright green, and the stems blanch easily to a fine deep yellow. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10.

Golden Plume. This strain of Celery closely resembles the old Golden Self-Blanching in crispness and flavor, but is distinctly larger and ranker in growth, more plainly ribbed, blanches more quickly, matures earlier. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10.

White Plume. The plants are of vigorous growth. They blanch easily and quickly to a pure white. Their crisp, tender and uniform features make this variety very attractive. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.



Golden Detroit Celery.

Celeriac

(Turnip-Rooted Celery)

The roots, which are the edible portion, keep well for winter use and are excellent for flavoring soups and salads or boiled like Turnips and Parsnips.

Giant Prague. An improved variety of turnip-rooted Celery producing large tubers of nearly globular shape and comparatively smooth surface. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.



Celeriac.

Collards

This is a tall, loose-leaved cabbage-like or kale-like plant grown throughout the South and known in different sections as "Cole," or "Greens." It is extensively used for the table as well as for stock feeding in localities where it continues in growth and is usable throughout the entire winter. Collards will often succeed where cabbage cannot be grown successfully.

Georgia or Southern. This vegetable develops a loose-leaved head. It grows 2 or 3 feet high and produces large light green leaves on rather long stems. A frost, if not too severe, will improve the crop. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

Chervil

This hardy annual with aromatic leaves is something like parsley, and many consider it superior in flavor. The young leaves are used in soups and for flavoring and garnishing meats and vegetables. Sow in early spring in rich, well prepared soil. The seed is slow to germinate, sometimes remaining in the earth two or three weeks before the plants appear. When the plants are about 2 inches high, transplant or thin to about 1 foot apart. They are ready for use in six to ten weeks from sowing.

Curled. This finely curled double variety makes a handsome showing and has a pleasing fragrance and flavor. It grows vigorously and matures early. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Corn Salad

Large-Seeded, Large-Leaved. This is a small, quick growing salad plant for late fall, winter, and spring use. The leaves are used as a substitute for lettuce and spinach. During August or September sow the seed in shallow drills about 1 foot apart, covering with about one-



Corn Salad.

fourth inch of fine soil firmly pressed down. On the approach of severe cold weather, cover with straw. The plants do well on very rich soil. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

Corn—

Sweet or Sugar

One pound of seed will plant about 100 hills; 20 to 25 pounds an acre in hills.

A rich, warm soil is the best, but excellent Sweet Corn can be raised on any good, ordinary soil, if it is deeply and thoroughly worked before planting. If planted in hills, make the hills for the early varieties 3 feet apart each way and plant 4 to 6 kernels to the hill. For the later sorts the hills should be 3½ to 4 feet apart each way. Hoe frequently and when 6 inches high thin so as to leave 3 or 4 plants in the hill. Give frequent and thorough but shallow cultivation until the tassels appear.

***Bantam Evergreen.** A cross between Golden Bantam and Stowell's Evergreen, resulting in a large ear of orange-yellow color. They average 8 to 9 inches in length, with 12 or 14 rows of kernels of fine quality. Stalk growth is vigorous, reaching a height of 7 feet. Maturity is in about 90 days. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Black Mexican. Maturing in 85 days. This is one of the richest flavored and tenderest of Sweet Corns. Many are misled by the bluish black color of the ripe seed, but when in table condition the kernels are pearly white and superior to many of the other white Sweet Corns. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

***Country Gentleman.** Maturing in 100 days. Heavy yielding variety with Evergreen character. Valuable for home, market garden, and especially for canning. Plants 6½ to 7 feet tall, commonly with 2 or more ears, set solid with irregular rows of kernels. These are white; shoepeg form; very deep; sweet and tender. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Early Table. A flinty grain which enables it to be planted very early in cold ground. Height 4 to 4½ feet, producing ears within 1 foot of the ground, maturing in 65 days. Pkt., 5c; ½ lb., 15c; 1 lb., 25c; 5 lbs., 85c.

***Golden Bantam.** Maturing in 75 days. True Golden Bantam is early, being ready for the table in 78 to 80 days from date of planting. The ear has eight straight rows of broad, meaty kernels which are a rich creamy golden yellow in color. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

Howling Mob. A medium early variety with large ears, averaging some eight inches long, white and of very fine flavor. This

variety is used by many market gardeners serving a section where white Corn is popular. The ears have 12 rows, maturing in 80 days. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

***Stowell's Evergreen.** The greatest of the late white varieties, it has been known under the same name for at least forty years. It is the standard main crop variety, bearing thick ears which average well over 8 inches in length, often reaching 9½ inches. It is one of the sweetest varieties known. The ears have 12 rows of deep kernels. Matures in about 100 days. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

PRICES ON SWEET CORN— Delivery Charges Extra.

	10lbs.	25lbs.	100lbs.
Bantam Evergreen	\$1.50	\$3.25	\$12.00
Country Gentleman . . .	1.50	3.25	12.00
Early Table	1.20	2.50	9.00
Golden Bantam	1.50	3.25	12.00
Howling Mob	1.50	3.25	12.00
Stowell's Evergreen . .	1.45	3.15	11.50
Vanguard	1.70	3.75	14.00

Varieties marked (*) best for Home Garden.

Vanguard. Maturing in 70 days. Vanguard is the most profitable early Sweet Corn under cultivation. It is the earliest large-eared Sweet Corn we know of, and it has excellent table quality. About 7 days earlier than Howling Mob. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.10.

Field or Flint Corn

Used for Roasting Ears.

Champion White Pearl. Ready for roasting ears in 75 days. An early snow-white Dent Corn, extensively used by truckers for roasting ears. Ears 10 inches long, fine quality. 5 lbs., 25c; 15 lbs., 60c; bn. (56 lbs.), \$1.65.

Pride of the North. Ready for roasting ears in 75 days). Ear 9 inches long, yellow. Good quality. 5 lbs., 25c; 15 lbs., 65c; bn. (56 lbs.), \$1.65.

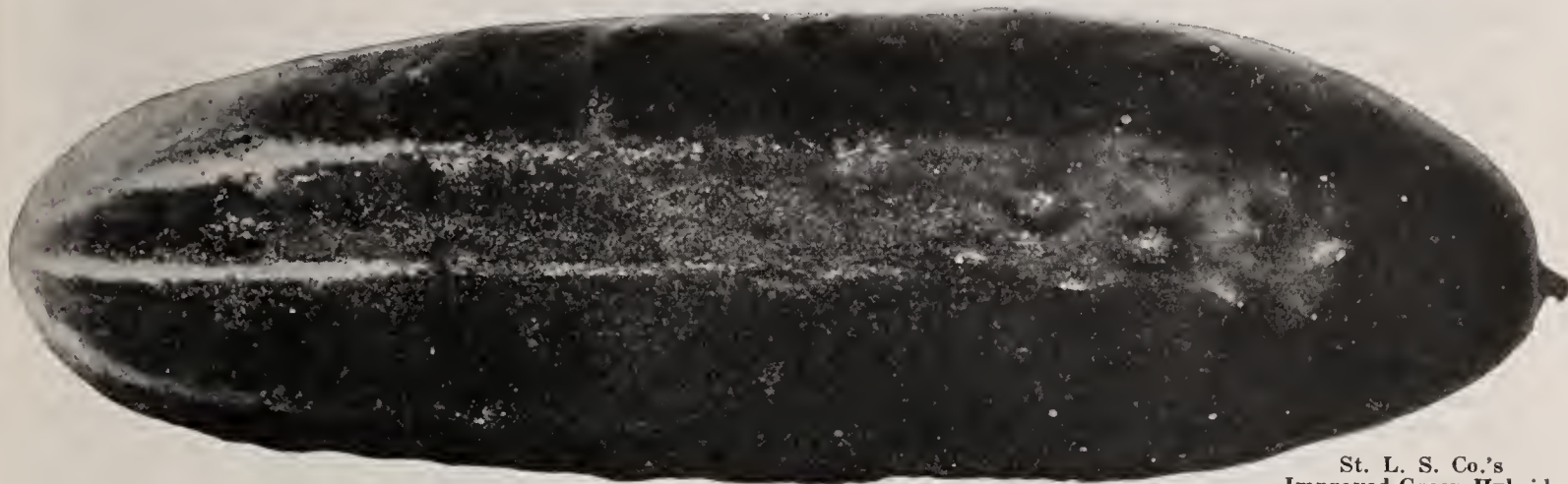
Yellow Pop Corn

Golden. A 12- to 15-rowed variety with smooth, bright yellow kernels, which pop large and tender. Lb., 20c; 10 lbs., \$1.50.

Japanese Hulless. A dwarf variety with ears about 4 inches long. A sure popper and of fine quality. Lb., 20c; 10 lbs., \$1.50.

Cucumber

One ounce will plant 50 hills; 2 pounds will plant an acre in hills; 5 pounds in drills.



St. L. S. Co.'s
Improved Green Hybrid.

Culture: The first planting should be made in May in hotbeds; inverted sods form an excellent medium for both planting on and carrying the younger plants to their permanent location, small paper pots can also be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks.

The striped cucumber beetle is often very destructive to young plants. These beetles, when not very numerous, are usually kept from doing serious damage by dusting the plants with Slug Shot.

Davis Perfect. A very fine Cucumber for market as well as the home garden. Fine length, beautiful dark green color. Fruits 8 to 10 inches long, tapering at both ends, solid flesh, few seeds. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c; 5 lbs., \$4.00.

Early White Spine. This truly is the peerless Cucumber and for slicing it has no equal. Our select strain of this variety is unsurpassed for the table or market. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c.

Extra Long or Evergreen White Spine. The fruits of this very desirable table sort are long, cylindrical, very dark green, with very white, crisp and tender flesh. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; 5 lbs., \$3.75.

Gherkin or Burr. An early maturing, very small, dark green Cucumber; cylindrical, square ended, and very popular with many growers who want an ideal bottle pickle. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Japanese Climbing. Here is a variety that won't take up so much space in your garden as it easily trails up poles or trellises. Pkt., 5c; oz., 15c; ¼ lb., 40c.

London Long Green. The fruits are very long, often 12 to 15 inches when mature, pure yellow when ripe. It is a standard sort for slicing and is very largely used for pickles. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.

Longfellow. This is a dark green Cucumber of the White Spine class. The fruits are 8 to 10 inches long, cylindrical in shape, and a fine glossy green in color. They retain their fine color for a remarkably long time. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

St. L. S. Co.'s Improved Green Hybrid. We consider this the finest all around Cucumber in existence. It has a long and straight, attractive shape, with a very rich green color, a fine lot of showy white spines. The color stays green for a week, making it a fine shipper. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c; 5 lbs., \$4.00.

Snow's Pickling. This is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days and is the earliest of the varieties in common use. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c; 5 lbs., \$3.75.



Water Cress.

Cress

As early in spring as the ground can be worked, sow the seed in rich, well prepared soil, in shallow drills about 16 inches apart, covering with about one-half inch of fine soil firmly pressed down. When the young plants are well started, thin 4 to 6 inches apart in the row. For succession plant every two weeks, thinning out as required for use.

Curled or Pepper Grass. The leaves of this small salad are much frilled or curled, and are used for garnishing. The plant is of rapid growth, about one foot high. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Water Cress. Seeds may be started readily in pans or boxes of very moist earth, and when the young plants are well started, they can be transplanted to the running stream. Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00.



Snow's Pickling.

Dandelion

One ounce will sow 100 feet of row.

New Cultivated. Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with one-half inch of fine soil. When plants are well developed, thin or transplant to 10 or 12 inches apart. Leaves will be fit to cut the following spring. Leaves are best when blanched. Blanching may be done by covering with leaves or loose litter. The leaves are used as salad or as boiled greens. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.50.

Eggplant

An ounce of seed is enough for 1000 plants.

Culture: Thrives in a rich, warm, sandy soil. Start the seed in the hothouse, and transplant into boxes or small pots. Set out in the open after the middle of May, in rows three feet apart and two feet in the row. Eggplants will not stand frost.

Black Beauty. Produces large, egg-shaped or bulbous fruit of fine color and quality. Has no spines, and is the earliest. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; 1 lb., \$4.00.

Early Long Purple. A very productive variety with fruit 8 inches long and about 2 $\frac{1}{2}$ inches thick. The color is very dark purple, almost black, and very smooth. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.15.

St. L. S. Co.'s Improved Oval Spineless. The strong bushes are larger than Black Beauty and keep the "eggs" off the ground better. The large dark purplish black fruits are heavy at the base, narrowing toward the top. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; 1 lb., \$4.00.

Fennel or Finocchio

This vegetable should be more widely grown. It is particularly palatable when served boiled with a cream dressing. The flavor is like celery, though it has a sweet, spicy taste and a delicate odor all its own. Excellent for salads.

Florence. The bulb at the base of this hardy annual may either be sliced raw or cooked. The crisp stalks above are often eaten like celery. If covered with soil, the bulb will blanch to a fine creamy white. The plant is branching and has dense feathery foliage that gives off a sweet aroma. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.



Broad-Leaved Batavian (Escarolle).

Dill

Mammoth. An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medical properties but its largest use is for making dill pickles. Plant branching, 2 to 3 feet high. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.



Dill.



St. L. S.
Co.'s Improved
Oval Spineless.

Endive

One ounce of seed for 50 feet of row; 4 to 5 pounds per acre.

Culture: Sow for early use about April 15th, or for main crop, in June or July. Sow seed in rows 14 to 20 inches apart, and when well established, thin to one plant per foot. When nearly full grown, blanch by tying the leaves together.

Broad-Leaved Batavian (Escarolle). The broad leaves, twisted and waved, are of bright green with midribs nearly white; the inner leaves form a fairly solid cluster which blanches to deep creamy white. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

Full Heart Batavian. A distinctly improved form of Broad-Leaved Batavian. Plant medium large with deep, full, compact, well blanched heart of infolded broad leaves, thick and buttery in texture and of splendid quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Green Curled. (Green Ribbed). The leaves of this variety are finely divided, giving a mossy appearance. The center tends to blanch to a delicate white. The plant is hardy and vigorous and especially good for fall and winter use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

Herbs

Sweet, Medicinal and Pot Herbs

Culture: For early sow seed in hotbed in March, or open ground in May, in rows 1 foot apart. Cover very lightly and thin out when large enough to 6 or 8 inches in row.

The varieties marked in asterisk (*) are hardy perennials. To preserve herbs properly, cut the stems and leaves just as the plant is coming into bloom, dry them in the shade, and when perfectly dry, wrap them up in paper or store them away in a dry room, or rub the leaves to a powder, pack in bottles and cork tightly, and store them away, which will preserve them for any period.

Anise. An annual herb cultivated principally for its seeds which have a fragrant, agreeable smell and a pleasant taste. Pkt., 10c; oz., 25c.

Basil, Sweet. A hardy, aromatic annual. The seeds and stems have a strong flavor and are used in soups and sauces. Pkt., 10c; ½ oz., 25c.

Borage. A hardy annual used as a pot herb and for bee pasturage. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

Caraway (Kummel). A well known herb, cultivated for its seeds. Pkt., 10c; oz., 25c.

* **Catnip or Catmint.** For seasoning. Pkt., 10c.

Chervil, Curled. Used in soup. Pkt., 10c; oz., 25c.

Coriander. A hardy annual cultivated for its seed which has an agreeable taste. Pkt., 10c; oz., 25c.

* **Fennel, Sweet.** A hardy perennial. Pkt., 10c; oz., 25c.

* **Horehound.** A perennial herb with an aromatic odor and a bitter pungent taste. Pkt., 10c; ½ oz., 25c.

* **Lavender.** A hardy perennial, growing about two feet high. Pkt., 10c; ½ oz., 25c.

* **Marjoram, Sweet.** The young tender tops and leaves are used green in summer to flavor broths, dressing, etc., and are also dried for winter use. Pkt., 10c; ½ oz., 20c.

* **Pennyroyal.** Used medicinally. Pkt., 10c.

Pimpinella (Burnet). The young leaves are used as salad. Pkt., 10c; oz., 30c.

* **Rosemary.** The leaves are used for flavoring meats and soups, and for medicinal drinks. Pkt., 10c; oz., 20c.

* **Sage.** Used for seasoning. It is also believed to possess medicinal properties. Pkt., 10c; ½ oz., 15c; 1 oz., 25c.

Saffron. Cultivated for its flowers which are used principally for coloring. Pkt., 10c; ½ oz., 25c.

* **Sorrel.** (Broad-Leaved). For boiling "greens" or salad. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

Savory, Summer. The dried stems, leaves and flowers are extensively used for seasoning. Pkt., 10c; oz., 25c.

* **Tansy.** For seasoning. Pkt., 10c; ½ oz., 30c.

Tarragon (Estragon). For flavoring. The young leaves are used for pickles, etc. Pkt., 10c.

* **Thyme.** A perennial herb, 8 to 10 inches high, used for seasoning. Pkt., 10c; ½ oz., 30c.

* **Woodruff.** Fragrant leaves and stems; used for putting among clothes. Pkt., 10c; ½ oz., 25c.

* **Wormwood.** Used medicinally and in liquors; a good tonic for poultry. Pkt., 10c; ½ oz., 25c.

Kale

Sow four pounds to the acre; one ounce will sow 100 feet of drill.

This is extensively grown, especially in the south during the fall, winter and spring.

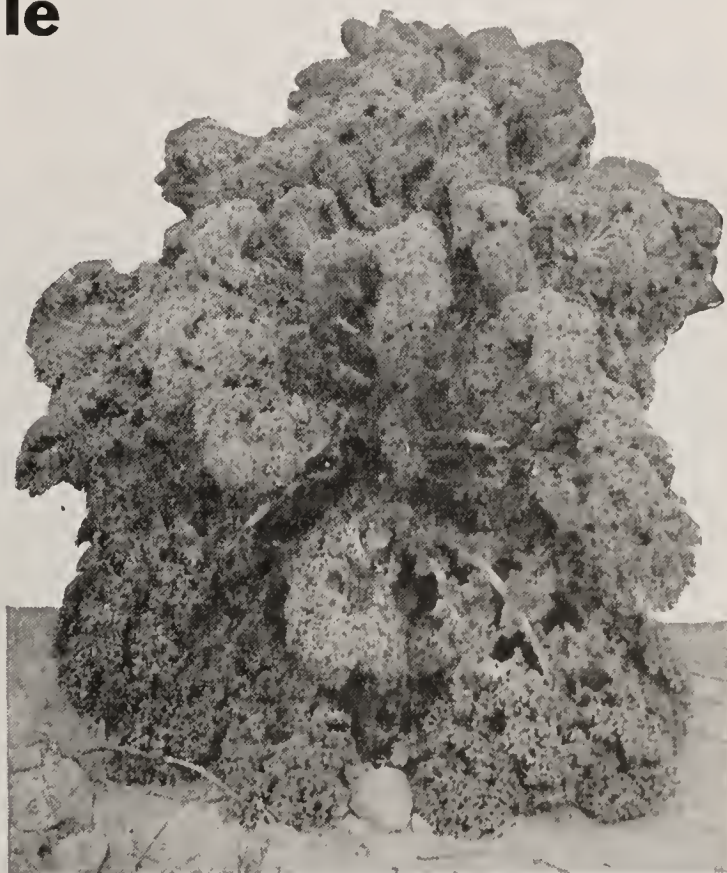
Culture: Where climate permits, seed may be sown any time from February to October. The quality is improved rather than injured by frosts if not too heavy.

Double Curled Scotch. Desirable for winter and spring greens. Leaves are curly like Parsley, tender and of very fine flavor. It is improved by frost. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Dwarf German for Spring. An improved selection of the ordinary Dwarf German Greens. A superior variety for market culture. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.

Dwarf German Green Home Grown (for Fall). Largely grown for supplying "greens" during the fall, winter and spring. The plants are hardy; frost improves the quality. The leaves are very large, deeply curled and fringed. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.

Tall Scotch. This variety makes beautiful plants, 2 feet or more in height. Leaves are finely curled and very tender. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.



Double Curled Scotch Kale.



Early White Vienna Kohlrabi.

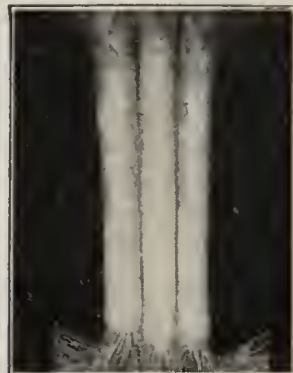
Kohlrabi

One ounce will sow about 200 feet of drill.

Culture: This is a very delicious vegetable. The edible part is the turnip-shaped bulb formed above ground. Seed should be sown in light, rich soil as early in spring as possible in rows 1½ feet apart and when well established thin to 6 inches apart in the row.

Early White Vienna. A standard sort for market and table use. Good for forcing. This variety has a very short top and forms the ball quickly, thus making it a particularly desirable sort on account of its earliness. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Early Purple Vienna. Differs from the Early White Vienna in color only. Pkt., 10c; oz., 15c; ¼ lb., 50c.



London Flag Leek.

Leek

Culture: Sow early in spring in drills 12 to 15 inches apart, covering one-half inch deep. Thin plants to 6 inches apart in row and draw the earth about them when cultivating.

London Flag. This well known broad leaved leek is hardy, productive, of good quality. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.40.

Lettuce

One ounce will produce 3,000 plants

Green vegetables are now considered a part of our everyday diet by almost everyone, and among the special favorites are crisp leaves and heads of lettuce. No other vegetable contains more vitamins and other health bringing elements, and no other can be more easily grown in home gardens everywhere.

Culture: Lettuce seed germinates quickly and may be planted as soon as the cold wet days of spring are past. Sow seed in rows 15 to 18 inches apart, covering not more than ½ inches deep.

For Head Lettuce: The plants should be thinned to 10 inches apart in the row and thorough cultivation given to keep down the weeds and conserve moisture. A light application of fertilizer, such as nitrate of soda, used after the plants have made some growth, will be found very beneficial.

Early Curled Varieties

Black Seeded Simpson. Larger and lighter color than Early Curled Simpson. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Chicken Lettuce. Very hardy, rapid growing, medium light green, non-heading butter type which produces flower stalks early and furnishes an abundance of leaves over a long period of growth. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Early Curled Simpson. The standard loose-headed variety. Earlier than the heading sorts. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

***Grand Rapids.** Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Pkt., 5c; oz., 15c; ¼ lbs., 40c; 1 lb., \$1.25.

***Prize Head.** As its name implies, forms a very large loose head, slightly tinged with brown. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Varieties marked (*) best for home garden.



Grand Rapids Lettuce.

LETTUCE—Continued.**Heading Varieties**

Hanson. In every respect an ideal lettuce. It never fails to make large, handsome heads. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Hardy Green Winter. The standard Winter sort. Of delicious flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Iceberg. A sure and hard-heading hot-weather variety. Outer leaves light green, curly, and finely fringed. Hearts are of a beautiful white color, crisp and tender. Fine appearance and mild flavor. Use this during the hot summer months. This is quite commonly confused with New York, but is really distinct, being much lighter in color. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

Mammoth Black Seeded Butter. A fine variety for outdoor planting or for cold frames. It produces extra large heads, very compact, of a fine flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

New York. The most largely used lettuce, grown in immense quantities on the Pacific Coast and shipped to all parts of the country. This is a decidedly crisp, cabbage-heading variety. It is very large and robust growing, rooting deeply, resisting hot, dry weather, is very slow to run to seed. Its sure-heading quality makes it unsurpassed for spring and summer. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.



New York Lettuce.

St. L. S. Co.'s Black Seeded Forcing. The favorite of gardeners who grow for the St. Louis market. Heads are of a medium size, well formed and compact, of excellent quality and fine appearance. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

St. L. S. Co.'s Imp. Butter. This delicious variety is of the cabbage type. Every plant is uniformly perfect, nearly all head with but few outside leaves. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

***St. L. S. Co.'s Summer.** This excellent variety is noted for its extra large and firm heads, and thin leaves of the finest quality. It is a very large, robust-growing variety, and a sure header. May be sown all through the year and stands heat remarkably well. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Trionon Cos (Romaine). Head tall and very thick, blunt at top. Leaves are very light green, crimped, broad-ribbed, and a long narrow spoon shape. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Varieties marked (*) best for home garden.

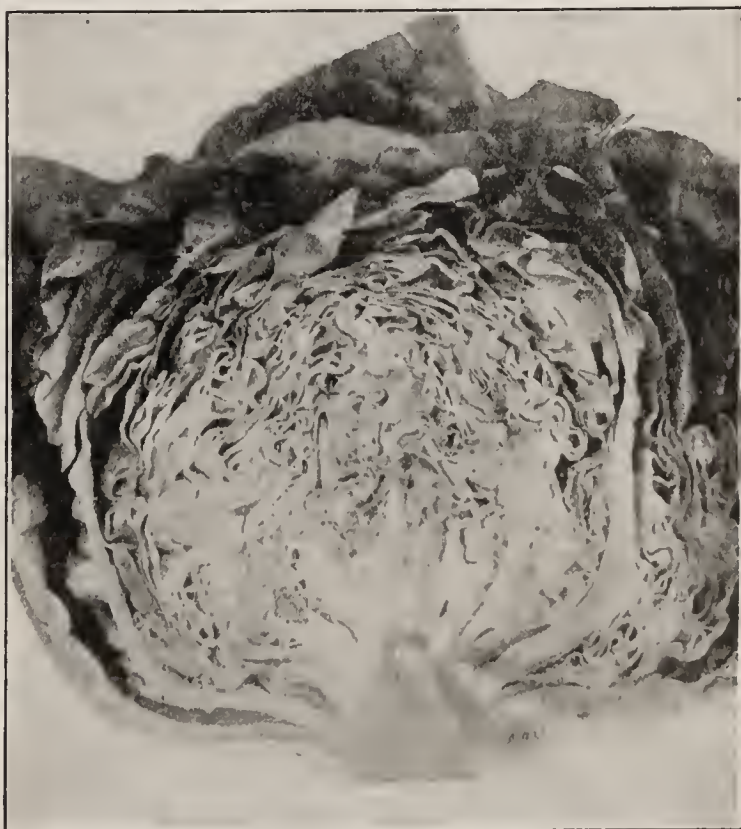


Iceberg Lettuce.

St. Louis Market. A great favorite among the gardeners for summer sowing. Its large heads of crisp, buttery flavor have made this the most popular market variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

St. L. S. Co.'s Big Boston. Especially valuable for summer and fall use out-of-doors, and for hotbed and cold frame culture. It is a cabbage butter-head type with glossy, plain edged leaves tinged brown on the margins; forms a firm, well folded head, buttery-yellow at the heart and of excellent quality. Pkt., 5c; 1 oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

***St. Louis Seed Co.'s Big Market Garden.** This is the most extensively grown lettuce either for market or private tables. Whether grown in the open ground for early spring or fall use, or in frames for spring, it invariably gives both the grower and user the utmost satisfaction, producing under ordinarily favorable conditions, splendid buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.



St. L. S. Co.'s Big Market Garden.



Burrell's Gem or Defender.

Orange Fleshed Varieties

Banana. The flesh (the melon being so nearly solid) is of a rich salmon. It grows from 20 to 28 inches in length and is very prolific. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Burrell's Gem or Defender. This fine melon is popular for home garden growing. The fruits are normally 7 inches long when ripe, distinctly oval in shape, slightly ribbed, and closely netted on the ribs. The thick fine grained flesh is rich yellowish salmon in color and ripens clear to the rind. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Hale's Best. (Selected Stock). This is the melon now grown so extensively in the Imperial Valley, Cal. On account of its earliness and fine shipping qualities it has superseded the old time Rocky Ford. It is slightly larger and 2 weeks earlier than the Rocky Ford, and is pink fleshed clear to the rind, which is well ribbed and netted. The flesh is very thick; with small seed cavity and of fine quality; very sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c; 5 lbs., \$4.00.

Tip-Top. Good for early or late; having a sweet, juicy, fine flavor, solid flesh and eatable to the outside coating. The fruit is of large size, nearly round, evenly ribbed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Hearts of Gold.

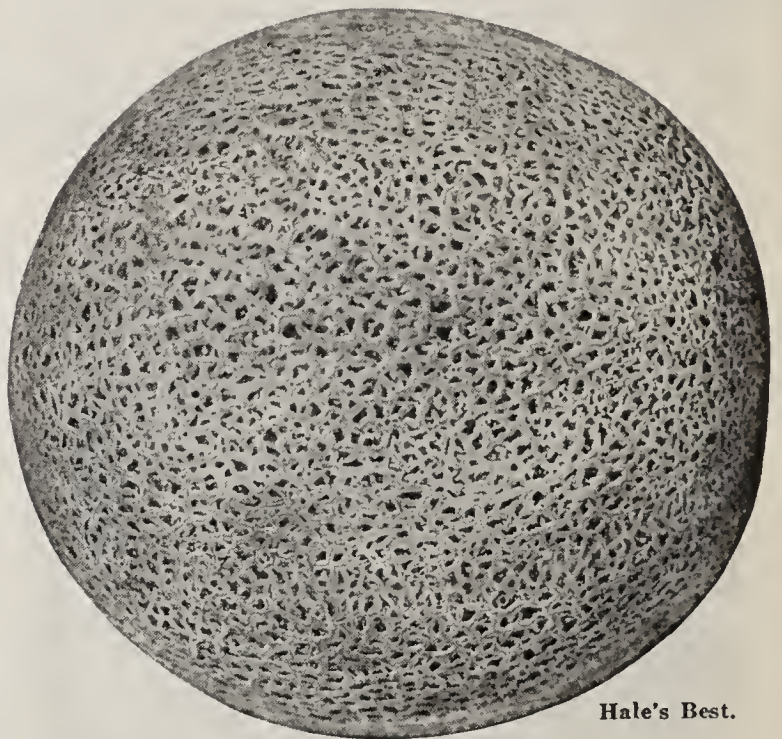


Muskmelon

Maturing from 80 to 85 days.

Culture: A rich, sandy loam is preferable for muskmelons. Sow 10 or 12 seeds in a hill, the hills being four to six feet apart each way depending on the vigor of the variety. Cover the seeds with about an inch of soil well firmed down. Thin the plants when they begin to crowd, leaving four of the best plants in each hill. Frequent but shallow cultivation until the runners interfere is necessary. Beetles may be kept off by dusting with air-slacked lime, being careful not to use so much as to injure the vines.

There are few products of the garden that give as much pleasure as ripe sweet melons fresh from the vines. It is now comparatively easy for the home gardener to enjoy this luscious garden prize at its best. Our list is made up of the most desirable varieties suited for growing wherever melons can be grown.



Hale's Best.

Hearts of Gold or Improved Hoodoo. This is an orange fleshed variety of medium size, a desirable midseason sort for the home garden. The vines are vigorous, blight resisting and very productive. The fruits are nearly round and are uniformly of medium size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Rocky Ford Pink Meat (Pollack No. 10-25). The fruits are uniform in size and shape, with well developed gray netting. The rich salmon flesh is deep, very solid, of a luscious sweet flavor, and ripens clear to the rind. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c; 5 lbs., \$4.00.

Green Fleshed Varieties

Colorado Queen. The best green-fleshed melon for shipping long distances. The netting is heavy, slightly covering the ribs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

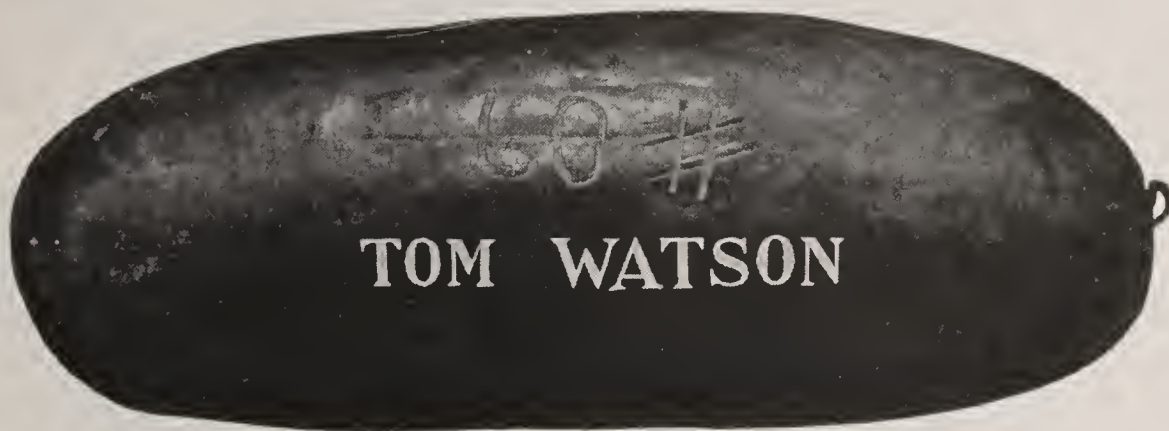
Honey Dew. The skin when ripe is creamy yellow in color. Flesh light emerald green, fine grained and of very sweet, sugary flavor. Rind thin but very firm and the fruits stand shipping remarkably well. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

St. Louis Market. Flesh is green and delicious, rind is green and solid. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Watermelon

Maturing from 95 to 100 days.

The requirements for raising watermelons are practically the same as for muskmelons except that the vines are more spreading and require considerably more room. If the hills are liberally manured and cultivation is careful and thorough, any home gardener can have these delicious fruits fresh from his own patch.



Citron. The fruits are medium sized, uniformly round and are used exclusively for preserves or pickles. The flesh is white and solid, but is not at all suitable for eating raw. Seed red. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

***Fordhook Early.** A most delicious and productive variety for the family garden, succeeding in northern states, where melons were never matured before. The flesh is of a beautiful bright red color. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.



Stone Mountain.

Georgia Rattlesnake. Fruits of good size, oblong in form, distinctly striped and mottled; flesh bright scarlet and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

Irish Grey. A very popular shipping variety. Rather large in size, long in shape. The rind is light green in color. The flesh is red, not stringy or coarse, very sweet. This is recommended equal to Tom Watson as a shipping variety. Average weight, 35 lbs. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.

***Kleckley's Sweet.** This is considered the sweetest of the large melons. Particularly adapted for home garden and shipping short distances. Kleckley's Sweet is oblong in shape, about 22 inches long and 12 inches in diameter, weight from 40 to 50 lbs. The thin rind is brittle, dark green in color. The flesh is bright scarlet, very sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

McIver's Wonderful Sugar. The shape is long, rind is light green with irregular dark green stripes. Very prolific. A profitable melon to grow. Weight 30 lbs. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

Pride of Muscatine. A new wilt-resistant strain of the Kleckley's Sweet. In commercial areas where wilt is prevalent this melon will prove very valuable. The thick rind makes it a better shipper than Kleckley's Sweet. Has dark green skin. The deep red flesh is sweet, crisp, and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

***Stone Mountain (or Dixie Belle).** A variety recently introduced in Georgia, being named after the great Stone Mountain of that state. Rich dark green in color with scarlet flesh that is exceptionally sweet and melting. Very few seeds are found in this melon which gives one the impression on first opening that it is all heart. The average weight is 45 lbs. The markets that demand a round melon will find that this variety will outsell any others. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.

Tom Watson. The peer of the Watermelons for shipping, being the popular variety for the large growers on account of its ready sale in all markets. It is well adapted for long distance shipping. Very sweet and practically melts in the mouth. The flesh is red and the seeds are brown with here and there a sprinkling of white seed. The rind is deep green and elastic. This variety is oblong in shape, averaging about 20 inches in length and 10 to 12 inches in diameter, weight ranging from 35 to 40 lbs. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.

SLUG SHOT

Use Slug Shot by dusting on damp plants to combat the Mexican Bean Beetle, Potato Bug, Cabbage Worm, Slugs, Sow Bugs, Army Worm, Cur-rant Worms, etc. It is the safest, most effective and most economical general purpose insecticide and fungicide available. It is a product proven by over half a century of successful use. Price, 5-lb. pkg., 75c.



Mushrooms

Mushrooms can be grown in cellars, in sheds, in hotbeds, and sometimes in the open air, the chief essentials being uniform degrees of temperature and moisture. The necessary cultural directions are published in pamphlet form, a copy of which we shall be pleased to send on request.

We always have a fine, fresh supply of "Pure Culture" Spawn on hand, and you can depend on getting the kind of spawn that will produce large mushrooms. This spawn comes in bricks weighing about 18 to 20 ounces. A brick is sufficient to spawn ten square feet of bed. **Per brick, 25c; 5 bricks, \$1.00.** If wanted by parcel post add 5 cents a brick for postage.

Mustard

One ounce will sow 40 feet of drill.

The greens, for which this quick growing plant is chiefly raised, are fully as healthful and nourishing as spinach. Mustard is related to turnip, and although the tops are much alike in richness of flavor, mustard leaves are more tender, and the stems are not so long and coarse.

Mustard runs to seed quickly, so that successive plantings are necessary for a continuous supply.

Fordhook Fancy. The plume-like leaves of this variety are closely curled and finely fringed. The medium yellowish-green color and compact erect habit of growth lend a decorative touch to the garden, and the tender quality and fine flavor make it one of the most desirable for salads and greens. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 5 lbs., \$2.50.**

Long Standing Curled. The leaves of this variety are closely curled and finely fringed. The tender quality and fine flavor of this variety render it one of the most desirable for salads and greens. A little slower growing than the frilled varieties but longer standing. **Pkt., 5c; 1 oz., 10c; ¼ lb., 30c; 1 lb., 65c; 5 lbs., \$2.75.**

Mustard Spinach or Tendergreen. Plants of rapid and vigorous growth with comparatively narrow, spoon shaped leaves of dark green. It will stand longer than most varieties without sending up seed stalks. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.**

Southern Giant Curled. The leaves are large, light green with a tinge of yellow, and much crimped and frilled at the edges. The plant is upright or slightly spreading in growth. This variety is valued in the South on account of its vigorous growth, hardiness, and good quality. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 5 lbs., \$2.50.**



Mushrooms.

White or Yellow. The leaves are comparatively small and smooth, deeply cut or divided, and of medium dark green color. Seeds are used for pickling. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 50c.**

Okra or Gumbo

The young seed pods are used in soups, stews, catsup, etc. Highly esteemed in the south. After danger of frost is past, the ground being warm and in good condition, plant in rows about two and one-half feet apart.

Perkins Mammoth Long Pod. In productiveness this Okra is simply wonderful. Pods of an intense green color. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**

Early Dwarf Green. An extra early maturing variety. Very productive. Plants are more dwarf in habit of growth than those of other varieties. Pods short, deep green. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**

White Velvet. The plants are about three and one-half feet high, early maturing and very productive. The pods are white, long, smooth and are tender until nearly full size. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**



Southern Giant Curled Mustard.



Early Dwarf Green Okra.



Large White Globe Onion.

Philadelphia Silverskin. (For pickling). This is a medium sized onion of mild flavor and with beautiful, clear white skin. The variety is a favorite with many for use when young as a salad or bunching onion and for pickles. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.50; 5 lbs., \$7.00.

Riverside Sweet Spanish. A very large globe-shaped, light yellow Onion with small top and an exceptionally fine shipper. Pkt., 10c; 1 oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Welsh or Bunching. The earliest and best shaped onion for early bunching; small bulbs, skin pearly white, flesh of good quality and flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Onion Sets

(By Parcel Post, add 5c a quart postage).

YellowQt., 25c; gal., 90c; bu., (Write
RedQt., 25c; gal., 90c; bu., for
WhiteQt., 25c; gal., 90c; bu., Price)

Parsley

Parsley succeeds best on rich, mellow soil. The seed is even slower than parsnip in germinating and should be sown as early as possible in the spring, in rows 1 to 2 feet apart, covering not more than $\frac{1}{2}$ inch with fine soil firmly pressed down. When the plants are well up thin 8 to 12 inches apart in the row.

Extra Triple Curled (Moss Curled). One of the most popular varieties owing to the fine deep green color and attractive foliage which resembles moss because of the tightly curled leaves. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

Hamburg Thick Rooted. The root of this variety is edible and resembles a parsnip in color and shape. It is extensively used for flavoring soups and stews. The roots may be stored in sand for winter use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Plain or Single. The leaves are deeply cut, flat, and dark green in color. They are much used for flavoring and for drying. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Onion

An ounce will sow 100 feet of drill. Four to five pounds to the acre for Large Onions.

Culture: As early in spring as ground can be worked, sow in rich soil, thoroughly pulverized and leveled, in rows 12 to 15 inches apart, covering one-half inch deep.

A row or two of Onions in the home garden will furnish a supply from midsummer to winter. Onions are very hardy, and the seeds will germinate in cool weather. They can be safely planted just as soon as the soil can be prepared. Shallow planting is advisable, $\frac{1}{4}$ to $\frac{1}{2}$ inch being about right. When 2 or 3 inches tall, the young plants can be thinned to prevent crowding. They may be thinned again when 6 or 8 inches tall, and the plants removed can be used as green onions. After that, they can be pulled as needed, and those that are left to become fully ripe can be stored for winter.

Giant Yellow Prize Taker. A very handsome late or main crop Onion of the largest size and nearly globular in form, sloping slightly at the shoulder and base. Skin is yellowish brown. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.40; 5 lbs., \$6.50.

Large Red Globe. This most excellent main crop Onion produces medium to large sized perfect globe-shaped bulbs with small neck, smooth and glossy, and of deep purplish red color. One of the best keepers. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.40; 5 lbs., \$6.50.

Large Red Wethersfield. The bulbs are large and are flattened, yet quite thick. The skin is deep purplish red. The flesh is light purplish white, moderately fine grained. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.40; 5 lbs., \$6.50.

Large White Globe. It is sometimes called Southport White Globe. The variety yields abundantly, producing medium to large, handsome and finely shaped clear white bulbs. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00; 5 lbs., \$9.50.

Mammoth Silver King (White Granus). Grows very large, early; flat, but thick through; tender and of a very mild, sweet flavor; uniform in size and shape. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.

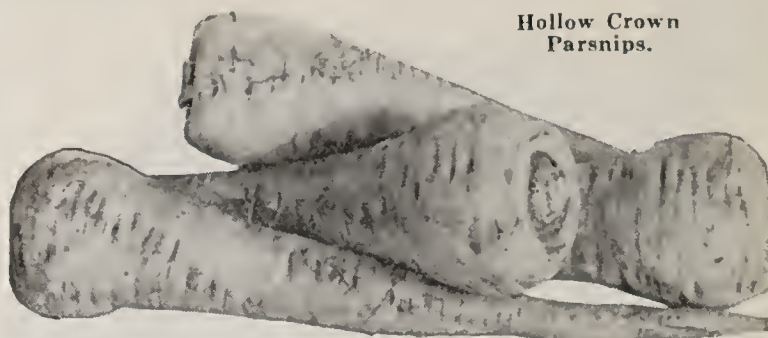


Curled Parsley.

Parsnip

The value of the parsnip as a culinary vegetable is well known. Parsnips are usually grown on deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. As the seed is sometimes slow and uneven in growth, it should be sown as early as possible in drills two and one-half feet apart; cover one-half inch deep.

Hollow Crown. This is the most popular and best variety in cultivation. The skin is smooth and white while the flesh is tender. It is very sweet and tender and is increased in value by moder-



Hollow Crown
Parsnips.

ate freezing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c; 5 lbs., \$3.25.

Pepper

Culture: Sow seed one-half inch deep in the hot-bed in March. After danger of frost is past, transplant into open ground, in rows two to three feet apart and 18 inches apart in the rows. An ounce will produce about 1500 plants.

Bell or Bull Nose. Early and of mild flavor. Large bright red, thick flesh. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

California Wonder. Thickness of flesh alone, which is often $\frac{3}{8}$ of an inch, places this sweet pepper above all others. It is crisp and juicy, too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 in. long and 4 in. wide. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

Chinese Giant. For size, this variety produces prize fruits. They are often 6 inches across and $4\frac{1}{2}$ to 5 inches deep. The flesh is moderately thick and very mild. The fruits are bright green when young and bright cherry-red at maturity. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 45c; $\frac{1}{4}$ lb., \$1.50.

Crimson King. The fruit is not quite as large as Chinese Giant; in shape not quite so blocky. In flavor it is the mildest we have ever known, as the flesh may be eaten raw from the hand. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 45c; $\frac{1}{4}$ lb., \$1.50.

Harris' Early Giant. The peppers are larger than any other early ones, $3\frac{1}{2}$ inches in diameter and $4\frac{1}{2}$ inches long, while from 6 to 10 are produced on one plant. For unripe picking they are medium dark green and at maturity are bright red. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

Hungarian Yellow Wax. This large fruited, early, hot pepper is highly esteemed for canning. The plants produce a fine crop of fruits 6 to 7 inches long and 2 inches in diameter. They are waxy light yellow at first but change to orange and then to bright red when fully ripe. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 45c; $\frac{1}{4}$ lb., \$1.50.

Large Sweet Spanish. The fruits of this late pepper are excellent in quality and unique in shape. They are about 7 inches in length by 2 inches in diameter. The young peppers have thick, mild flesh of deep green covered by a duller skin of similar shade. They ripen to rich red. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

Pimento. This popular variety used extensively by the Spanish people in their Pimento salads. It is a thick-meated variety of mild flavor. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

HOT—Small-Fruited Varieties.

Long Red Cayenne. The fruit is 4 inches long and 1 inch thick, twisted and pointed. The flesh is strong and pungent. Recommended for drying. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

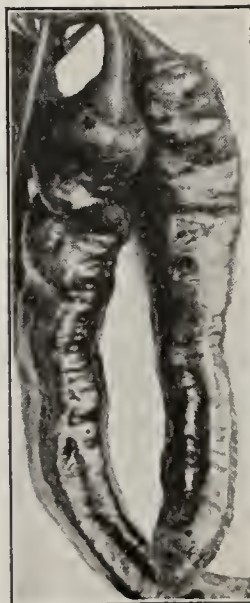
Red Cherry. The vigorous, bushy plants bear scores of round peppers which are a little larger than cherries. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

Red Chili. Bright red when ripe and are very hot or pungent. They are much used for making pepper sauce. Pkt. 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c.

Tabasco. They are light yellow when young and fiery red when ripe. Chiefly used in making Tabasco Sauce. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.



Crimson King Pepper.



Long Red
Cayenne
Peppers.



California Wonder.



Laxtonian Peas.

Garden Peas

Culture: Sow in earliest spring, in rows 2½ to 4 feet apart, drilling the seed 1 to 2 inches deep. Smooth varieties may be sown earlier than wrinkled varieties. The wrinkled varieties are more sensitive to cold wet weather than the smooth seeded sorts, but they are of superior quality. In home gardens, the taller varieties may be sown in double rows 12 inches apart and supported with brush. One pound is enough for 100 feet of row; 2 bushels per acre. A bushel of smooth peas weighs 60 pounds; wrinkled peas, 56 pounds.

PRICES ON PEAS Delivery Charges Extra.			
Mammoth Pod. Extra	10 lbs.	25 lbs.	100 lbs.
early	\$1.60	\$3.50	\$13.00
Alaska	1.60	3.50	13.00
American Wonder	1.70	3.90	14.50
Little Marvel	1.90	4.50	17.00
Gradus	1.75	4.00	15.00
Laxton's Progress	1.75	4.00	15.00
Laxtonian	1.75	4.00	15.00

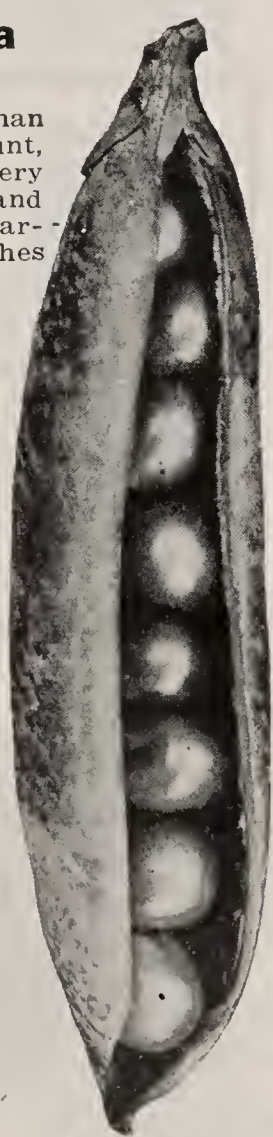
Smooth-Seeded Extra Early

Alaska. Pods slightly more than 2½ inches long, straight, blunt, and of pale green color. A very popular pea among canners, and to some extent for very early garden peas. Vine about 30 inches high. Matures in about 56 days. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

***American Wonder.** The old popular favorite among all who grow peas. The small, dwarf bushes are heavily laden with peas of the finest quality. Maturing 60 days. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.20.

Blackeye Marrowfat. A productive late variety for home garden; very suitable for dry use. Vines 5 feet tall, light green. Pods light green, 3 to 3½ inches long; ⅝ inch wide; very plump, straight, blunt. Green peas of rich marrowy flavor. Seeds large, round, interior yellow. 82 days. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Gradus. An early, wrinkled pea. Of medium height, only about 3½ feet. The pods are very large, 4 inches long, uniformly well shaped. Maturing in 56 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.



Mammoth Pod Extra Early.

***Laxtonian.** Dwarf large-podded peas. The blue-green pods are often more than 4 inches long and contain 8 dark green peas of finest quality. It is especially recommended for home garden use. The seeds are large, wrinkled, green and cream in color. Maturing in 58 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

Laxton's Progress. The pods are large, 4 to 4½ inches long, and of a fine dark green color. Vines grow only 18 to 20 inches high, and bear a heavy crop of handsome pods. One of the earliest of the sweet wrinkled sorts. Matures in about 53 to 60 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

***Little Marvel.** As the main crop in any home garden this is the most desirable dwarf variety. The dark green vines, 18 to 20 inches tall, grow vigorously and are laden with pods 3 inches long. Seeds are wrinkled, and green in color. Maturing 58 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25.

***Mammoth Pod Ex. Early.** This is without question the best extra early pea for market gardeners. It is only five days later than Alaska and the pods are almost as large as Gradus. The seed being smooth, it can be planted as early as any of the extra earlies. It is very prolific; pods of a rich dark green color. Height, three feet. Maturing in 60 days. Pkt., 5c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Edible Podded Sorts

Tall Melting Sugar. Excellent when cooked like string beans. The vines are very tall, reaching a height of 5 and 6 feet. The pods are over 4 inches long. 70 days. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Dwarf Gray Sugar. Earlier than the Mammoth, and with vines about 2 feet high. Matures in about 60 to 65 days. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.10.

Varieties marked (*) best for home garden.

Peanuts

Culture: Peanuts can be grown in any part of the country, and in any soil that will grow corn or cotton. A light sandy or loamy soil is the best. The seeds are the valuable part of the crop, but the vines can also be used, when dried, for stock feed. Sow in May or June, spacing the seeds 8 to 10 inches and the rows 2½ to 3 feet. Do not cultivate after the vines have begun to spread.

Improved Large Jumbo. Large pods which usually contain 2 large peanuts. Stand erect. Easy to cultivate. 1 lb., 25c; 5 lbs., \$1.00.

Seed Potatoes—Northern Grown

Prices are subject to change on all potatoes.

Culture: Any good, well drained, fibrous loam will produce Potatoes under right climatic conditions. For early Potatoes which mature in 8 to 10 weeks from planting, the soil must be particularly rich.

Bliss Red Triumph. Color, a beautiful light red. Size, medium. Growth very uniform. Shape, nearly round. 10 lbs., 40c; 30 lbs., 85c; 60 lbs., \$1.65.



Irish Cobbler.

Pumpkin

One ounce will plant about 25 hills; 4 lbs. will plant an acre

Culture: After danger of frost is over plant the seed in hills 8 to 10 feet apart each way, dropping about a dozen seeds in a hill. If planted with corn two or three seeds 15 feet apart each way will be sufficient. The pumpkins should be gathered from the vine with the stems attached. They should be kept in a warm, dry, well-ventilated place.

Connecticut Field. This sort is grown largely in the cornfield for stock, but the flesh is moderately fine grained, highly flavored, and very good for pies. The fruits weigh about 20 pounds and are a rich deep orange-yellow color. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 10 lbs., \$5.00.

Japanese Pie. A crookneck variety. Skin deep green with dark stripes, turning to a rich golden yellow. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Kentucky Field or Cheese. Standard large pumpkin for canning and for stock feed. Fruits very large, flattened, commonly 12 to 15 inches in diameter and half as deep; sometimes much larger; furrowed, skin creamy buff, flesh extremely thick, deep salmon-yellow, and of good quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 10 lbs., \$5.00.

Mammoth King or Potiron. The best large pumpkin in use. Forms immense globular shape, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Small Sugar. This variety is small, but of most excellent quality for pies. The fruits are deep orange, 8 to 10 inches in diameter, round or somewhat flattened and slightly ribbed. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Tennessee Sweet Potato. A good variety for making pies and for other cooking purposes. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.



Jumbo

Peanuts.

Early Ohio. (Red River). Among the standard early varieties it undoubtedly stands at the head of the list. An excellent keeper for such an early variety. 10 lbs., 40c; 30 lbs., 85c; 60 lbs., \$1.65.

Irish Cobbler. This has become one of the general favorites in all localities for early as well as late planting. 10 lbs., 40c; 30 lbs., 85c; 60 lbs., \$1.65.

Rural New Yorker. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. 10 lbs., 35c; 30 lbs., 75c; 60 lbs., \$1.50.

DUPONT SEMESAN BEL POTATO DISINFECTANT

2c a Bushel Now Pays for Easy Dip Treatment of Seed Potatoes with New Improved

SEMESAN BEL

It is easily and quickly applied. Just mix one pound of Improved Semesan Bel with 7½ gallons of water, dip your seed potatoes, drain, and plant. One pound of New Improved Semesan Bel treats 60-80 bushels of seed potatoes. Price: 4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00.

Place potatoes in a wire basket (one can easily be made from one-inch mesh chicken wire) or any similar open side container and simply dip it with its load of seed into the Semesan Bel mixture until all seeds are completely covered. Then remove immediately allowing the excess liquor to drain back into the treating tub. The seed pieces may be planted right after this treatment or else dried for future planting.

Ask for Semesan Bel Potato Booklet.



Small Sugar Pumpkin.

Radishes



Scarlet Turnip White Tip (Sparkler).

***St. L. S. Co.'s Crimson Giant.** It is round, bright crimson, attaining a maximum size before becoming pithy, of one and three-quarter inches long by one and one-quarter inches in diameter. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

***Scarlet Globe (Selected Stock).** The interior of the root is pure white, mild, crisp and fine grained. Its season is rather short, and it must be pulled reasonably soon after maturity. Recommended for the market garden or for greenhouse forcing. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

***Scarlet Turnip White Tip (Sparkler).** A very attractive radish of a rich, carmine-scarlet color and tipped white. It is invaluable for forcing or for open air growing. Its flavor is excellent and its qualities have made it stand out above the ordinary varieties for market growing. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.



Long White Strassburg.

PRICE OF RADISHES

Delivery Charges Extra.

10 lbs. or over
per lb.

Scarlet Turnip White Tip (Sparkler)	\$.50
Scarlet Globe	.50
Fire Ball	.50
Philadelphia White Box	.50
Crimson Giant	.60
French Breakfast	.50
Long Scarlet Short Top	.50
Icicle	.50
White Strassburg	.50
Winter Varieties	.60

Varieties marked (*) best for home use.

Winter varieties next page.

One ounce will sow 100 feet of row; 8 pounds will sow an acre in drills; 12 pounds broadcast.

Culture: Sow seed as early in Spring as ground can be well cultivated, in drills 10 to 12 inches apart; thin out to 1 inch apart for small, 2 to 4 inches for large varieties. Soil should be rich, light and well pulverized. Continue sowing every week or ten days for continuous crop. Quick growth insures good quality; they mature in from 18 days to 4 or 5 weeks, according to variety; winter varieties should not be sown until August.

The Earliest Round Sorts

***Fire Ball.** It is a "Fire Ball" both in growth and appearance and radishes in 21 days from the time of planting is the unrivaled record held by this fine strain. Rich, crisp, brittle flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

Philadelphia White Box. This famous white turnip-shaped or globe-shaped radish is the foremost of its class. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.



Philadelphia White Box.

Early Oval and Long Sorts

French Breakfast. An old reliable standard sort, ready for use within 25 days after sowing seeds. Oblong shape, mild and tender. The skin is a lively pink in color on the upper portion, but lower part is pure white. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

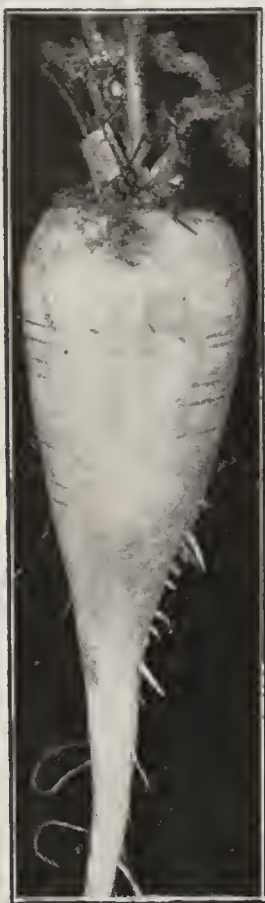
***Icicle.** Our strain of Icicle is excellent as well as profitable and used for either forcing or outdoor planting. A fine variety for market and private gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

Long Scarlet Short Top. This is another well known established sort with long, bright scarlet roots 6 or 7 inches long, with small top. Brittle and crisp. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

White Strassburg. Even when comparatively small this variety is in good condition for use and continues crisp until matured. The roots are rather thick at the shoulder and are usually somewhat tapering. This is one of the best large, white later summer sorts. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

Winter Radishes

Culture: Generally sown around July 1st, the same as turnips. The Chinese type develops most rapidly, while the Spanish sorts require about 3 months to reach full size, but keep well.



White Spanish
Radish.

Long Black Spanish. 8 to 9 inches long, and 2½ or 3 inches thick at the top, black skin with solid white flesh. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

Rose Colored China. Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

Round Black Spanish. Good specimens are almost round and measure 3 to 4 inches through. Skin black, flesh white, solid and pungent. A fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

White Chinese, or Celestial. Roots cylindrical, and when fully developed are 6 to 7 inches long and 2 inches thick. Solid, crisp and of a mild flavor. Skin and flesh pure white. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

White Spanish. Very solid and tender. The best white radish for late fall planting; largely used by our market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.



Round Black
Spanish Radish.

Rhubarb

(Pie Plant)

One ounce will sow 125 feet of row.

Rhubarb, also known as Pie Plant, is the earliest spring vegetable and is grown for its leaf stalks which are extensively used for pies and sauce.

Culture: Rhubarb succeeds best in deep, somewhat retentive soil and the richer this is and the deeper it is stirred, the better. Sow in drills an inch deep and thin out the plants to 6 inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them 4 to 6 feet apart each way and give a dressing of coarse manure every spring. Stalks should not be plucked until the second year. When a blossom appears, it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed.

Myatt's Victoria. A splendid early sort. Stalks are large, very thick, of rich red color. Very juicy, tender and almost stringless. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

Rhubarb Roots

Strong roots, 2 years old, which, if planted in good soil early in the spring, will make a strong growth and yield stalks for market the following spring. The plants increase in size every year and will with proper care last for many years. Thick, luscious stalks shaded bright crimson. Selected roots, 10c each; \$1.00 per doz. By Parcel Post, add postage, 5c each; 25c per doz. for postage.

Salsify or Oyster Plant

One ounce will sow 50 feet of drill.

How to Grow Salsify: Sow early in the spring in drills 15 inches apart, 1 inch deep; thin to 6 inches in rows. Cultivate the same as carrots or parsnips. It is hardy; can remain in the ground all winter for early spring use, but should be taken up before starting growing; take up a supply for use during the winter. Succeeds best in light, well-enriched, mellow soil. Used the same as carrots; or, after having been boiled it may be made into cakes and fried like oysters, which it resembles in flavor.

Mammoth Sandwich Island. The best variety. Grows to a large size and is very mild and delicately flavored. Grown extensively by gardeners and truckers everywhere. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.



Myatt's Victoria
Rhubarb.



Mammoth Sandwich
Island Salsify.

Spinach

In recent years people have learned how to cook spinach properly and have found that it is one of our most appetizing dishes. It is also a very important source of vitamins and is included in nearly all health menus. When the spring craving for greens is insistent, a row of spinach in the home garden will satisfy it perfectly.

Culture: Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. In the North, seed can be planted as soon as the ground can be prepared. In the South spinach will winter over with little or no protection.

Blight Resistant Savoy. This is the strain developed by the Virginia Experiment Station for resistance to "yellows", blight, or mosaic. It is a pure Savoy type, but will run to seed quickly in warm weather. For this reason it is used almost altogether for fall sowing. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.



Giant Leaved Nobel Spinach.

Giant Leaved Nobel. A new variety of the Viroflay type, but superior. Also called Gaudry Long Standing. It is the best of the so-called smooth-leaved types. The leaves are very thick, rather smooth, rounded, and of great size. Although a very quick grower, it stands well before going to seed. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.

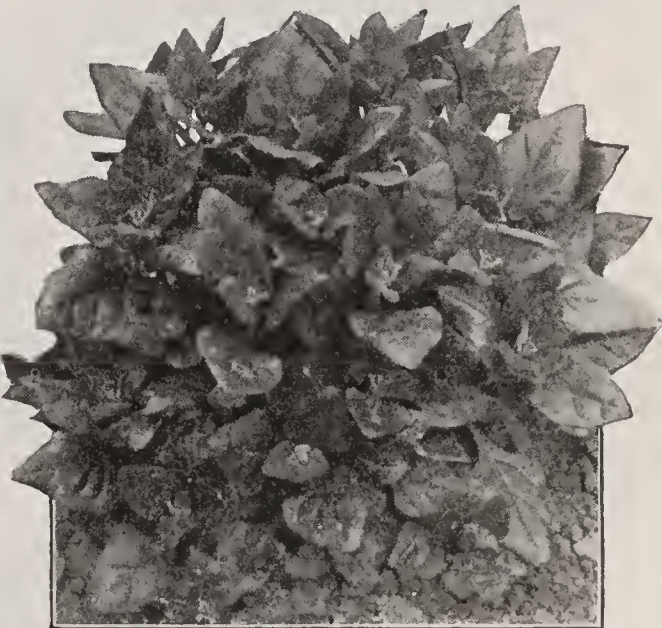
New Zealand. Not a true spinach but of spinach type. Thrives during hot weather and in any soil, rich or poor. The tender shoots are of good quality and may be cut throughout the summer. Plant becomes very large and spreading. Plant 3 or 4 seeds in hills 2 feet apart each way. Germination can be hastened by soaking in warm water 24 hours. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.



Bloomsdale Long Standing Spinach.

Bloomsdale Long Standing. It resembles the old Savoy, but is more compact in growth and has a more intensely dark green color. Grows a little slower than Reselected Savoy, but will stand heat better. In fact, it will stay in prime condition for cutting two weeks longer than most varieties. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.

Bloomsdale Savoy-Leaved Reselected (Dark Green). A distinct improvement over the old standard Bloomsdale Savoy, in that it is very early and of better color. The leaves are beautifully crumpled and blistered and free from pointed leaves. This variety is also used very largely for fall sowing. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c.



New Zealand Spinach.

	PRICES ON SPINACH			Delivery Charges Extra.		
	10 lbs.	25 lbs.	100 lbs.			
Bloomsdale Savoy	\$1.90	\$4.50	\$17.00			
Long Standing Bloomsdale	2.10	5.00	19.00			
Giant Leaved Nobel	2.10	5.00	19.00			
Virginia Blight Res.	2.00	4.75	18.00			
New Zealand	4.50					

Sorrel

The improved varieties of sorrel when well grown and cooked like spinach make a palatable dish. Sow in rows early in the spring and thin the seedlings to 6 or 8 inches apart in the row. One may begin cutting in about 2 months and the plants will continue in full bearing from 3 to 4 years.

Large Leaved French. The best garden variety, having large, pale green leaves of fine quality. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Sunflower

Mammoth Russian. A variety bearing giant sized heads commonly 12 to 20 inches in diameter. 1000 pounds of seed per acre is not an unusual crop. It is used for poultry feeding and birds are very fond of the seeds. Can be used for feeding cage birds and as such is of very good quality. The soil and cultural requirements are very similar to those of corn. Pkt., 5c; 1 lb., 15c; 10 lbs., \$1.00.

Squash

One ounce will plant 20 hills; 2 to 3 lbs., an acre.

There are two distinct classifications of squash which, owing to their habits of growth and difference in character, are generally referred to as "Summer" and "Winter" Squashes.

Culture: As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather, about May 5th. Summer varieties should be planted in hills 4 to 6 feet apart each way, winter varieties 8 to 10 feet apart each way.

Cocozelle. This bush variety, sometimes called "Italian Vegetable Marrow," produces oblong squashes often a foot in length, handsomely mottled, dark and light green, and the flesh is of extremely good quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

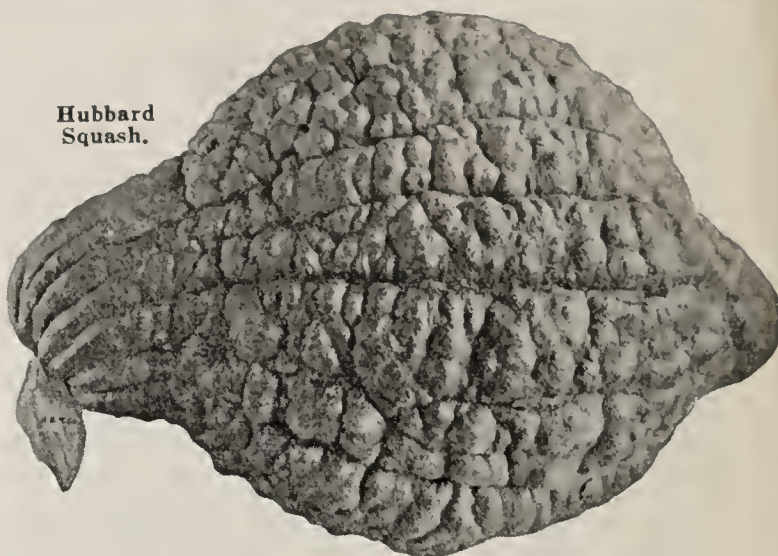
Giant Summer Straightneck. A selection from the Yellow Summer Crookneck Squash. There will be found in the new strain a small percentage that are not Crooknecks or Giant. The squashes are a deep orange color, heavily warted and when mature measure from 15 to 18 inches in length. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Hubbard. The most extensively grown winter squash. Is perfected in 100 to 110 days. The 12 or 14 pound fruits are spherical in shape, very dark green and somewhat warted. They have



Giant Summer Straightneck Squash.

Hubbard Squash.



very thick, bright yellow flesh that is fine grained and richly flavored. It is an excellent home garden sort and keeps perfectly all winter. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Mammoth White Scallop Bush. The plant is strictly bush in habit and bears creamy white patty-shaped fruits which are symmetrically scalloped. The flesh is milk-white, firm and smooth and is richly flavored. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Table Queen or Des Moines. Because of convenience for baking and serving in halves, this little squash has gained great popularity. It weighs only about 1½ pounds and is acorn-shaped, deeply furrowed, and dark green on the outside. The flesh is rich yellow, somewhat coarse grained. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Yellow Summer Crookneck. Valuable for early crop, and the best and richest summer bush squash; skin bright yellow, and when true, covered with warty excrescences. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Tomato

One ounce will produce about 1,000 plants.

Culture: Everyone who plans a garden should reserve a part of it for tomatoes so that the family can have a fresh supply during a long season. No other cultivated plant bears so long and so productively, and no other fruit carries within it greater health bringing elements. The tomato flourishes best in warm, light soil, moderately rich. For early use sow ½ of an inch deep in January or February in a hotbed, or if only a few plants are wanted, they may be sown in a window box. In order to get the plants strong and stocky, they should be transplanted when 2 to 3 inches high, and a second transplanting later on will add greatly to their stockiness. When all danger of frost has passed, set out in the open ground in rows 3 feet apart, leaving the same distance between the plants, and if convenient, furnish a support for the vine.

Bonny Best. This variety is a favorite for forcing; just the size wanted, round, color rich scarlet red, very smooth, fruit set in bunches and in great abundance. Everything is in its favor for a forcing Tomato. 95 days. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00.



Bonny Best Tomato.

TOMATOES—Continued.

Break o' Day. Break o' Day is a cross between Marvana and Marglobe, and the fruit is the same color, shape and size and solidity as Marglobe, but is ten to twelve days earlier than Marglobe. Break o' Day will mature along with Bonny Best and other early varieties. 90 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

Dwarf Stone. The tomatoes average 4 inches in diameter and are about 3½ inches thick. They are juicy, fleshy, and contain comparatively few seeds. The color of the skin is vivid scarlet. 95 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Earliana (The Earliest Red Tomato). The plants are of compact growth, with short, close-jointed branches, setting the fruit very freely in the center. The Tomato is of uniform size, averaging 3 inches in diameter, and from 2 to 2½ inches in depth. Solid. 90 days. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00.

***Early Detroit.** The largest and best of the early purplish pink Tomatoes. Fruits very smooth, uniform in size, nearly globe-shaped. 90 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

Golden Ponderosa. This is a yellow Ponderosa equal in size to that magnificent variety. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Gulf State Market. Particularly valuable for shipping. Fruits purplish pink; large and of uniform size; globe-shaped; smooth and firm. 95 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

Livingston Globe. A large purplish pink, globe-shaped or very nearly round tomato of excellent quality. The fruits are very smooth and mature a little earlier than most mid-season or main crop varieties. 110 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

Mammoth Large Red. This famous variety is enormous both in size and yield, being one of the largest smooth, round, red Tomatoes. Clear, bright red color. 120 days. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.

Marvelous (Marhio). New. See back cover.

Master Marglobe. Master Marglobe is now offered as the most important shipping strain; fruits are uniformly deep globe shape. Its most distinguished feature is the unusual interior solidity. The cross sectors are so heavy that the seed cavities are reduced to a minimum. Days to maturity, 120. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.90; 1 lb., \$7.00.

Varieties marked (*) best for home garden.

Marglobe. Of fine appearance, and great productiveness. In color it is a most beautiful scarlet, ripening well up to the stem. The "Marglobe" has proven resistant to wilt. 110 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.75.

***Ox Heart.** A late large fruited variety of distinct appearance and perfect quality. Heart-shaped, rosy pink, and very solid fleshed, with few seeds. Mildly acid and of pleasing flavor. 90 days. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.90; 1 lb., \$7.00.

***Ponderosa.** (also known as Beefsteak). One of the best for home use. Fruits deep purplish pink; extremely large, commonly 9 to 12 ounces each; deep but flat; very fleshy with few seeds; 100 days. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40.

***St. L. S. Co.'s Improved Excelsior.** Is of a dark, glossy, purplish red, very large and very solid. This fruit is produced in clusters of four to six, is large and of perfect shape and retains this size until late in the season. 105 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

St. L. S. Co.'s Large Pink. A main late crop, pink-fruited variety. Fruit are very large, somewhat flattened and quite smooth considering the large size. The tomato is solid and meaty, setting in clusters of about 5. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.15; 1 lb., \$4.00.

***Scarlet Topper.** Wilt resistant, of the type of plant known as self-topping or self-pruning. Midseason to late and a heavy cropper. Fruits globe-shaped, deep scarlet, smooth, and solid. 95 days. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

Stone. The fruits are bright deep scarlet, oval and very deep, exceptionally smooth and uniform in size. 110 days. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.



Break o' Day Tomatoes.



Marglobe Tomatoes.



Red
Pear
Tomatoes.

Extra Early Purple Top Milan. Fully a week earlier than any variety. Flat and smooth; of medium size. Pkt., 5c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 5 lbs., \$2.50.

Purple Top White Globe. The standard home, market garden, and shipping sort for table use; it is also good for field culture. Roots globular, smooth; bright purplish-red above, white below. Flesh white, firm, fine grained and tender when young. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 10 lbs., \$4.50.

Purple Top Flat Strap Leaf. The leaves are few, entire, upright in growth. The roots are flat, of medium size, purple or dark red above ground, white below. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 10 lbs., \$4.50.

Seven Top, for Turnip Greens. Standard extremely hardy foliage turnip for table and forage use. Crown sends up numerous leafy shoots which are excellent for greens and for stock to graze on. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c.

Shogoin or Japanese. A new, extremely useful sort. It is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c.

White Globe. Globe-shaped roots. Considering the size it matures early. A very good autumn variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c.



Purple Top White Globe Turnips.

TOMATOES—Continued.

Pickling or Preserving Varieties

Peach. Size, shape and color of a peach.

Red Pear. Used for preserving and to make "tomato figs."

Red Cherry. Differs from Yellow Cherry in color only, being red.

Strawberry or Husk. Also called Ground Cherry. Vines are low and spreading, producing small yellow fruit enclosed in a loose husk.

Yellow Plum. Fruits plum shaped, clear yellow color.

Yellow Pear. Pear-shaped fruits of deep, clear yellow color.

All Pickling or Preserving varieties. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

Turnips

One ounce will sow 200 feet of drill; one to two lbs. for an acre.

Culture: For early seeding sow flat varieties in open ground in spring in drills one foot or more apart, using seed sparingly. Thin to 6 or 8 inches apart. For succession sow every two weeks until June. For fall and winter sow in July and August.

Amber Globe. Is the staple yellow Turnip both for table and for feeding stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c.



White Burley Tobacco.

Rutabaga or Swede

Culture: Same as for other turnips, except that the seed is generally sown from the latter part of July until August.

American Purple Top. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top; flesh very solid, tender and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 5 lbs., \$2.50.

Tobacco

Culture: The seed should be sown as early as possible after danger of frost is over. When the plants are about 6 inches high, transplant into rows 4 by 4 feet apart each way. Cultivate thoroughly with plow and hoe.

Missouri Broad Leaf. A very large yielder. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c.

White Burley. The standard main crop variety. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c.

Havana. The leading smoking variety. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c.

Flowering Bulbs For Spring Planting

Cannas—Large Flowering

Ready for shipment during March and April.
By Parcel Post, add 5c per doz., postage.
Massed plantings in one color are recommended as being most effective; but many beautiful and striking combinations of colors may be arranged.

ORANGE AND YELLOW

- Orange Bedder.** 4 feet. A beautiful glistening orange, with green foliage.
- Yellow King Humbert.** 4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PINK

- City of Portland.** 3½ feet. A deep pink which does not fade during the hot weather.
- Mrs. A. F. Conard.** 3 to 4 feet high. Color an exquisite, soft, opaque pale pink with darker pink in throat.
- Hungaria.** 3½ feet. The best pink Canna. Trusses of enormous size borne well above the foliage. Very compact, almost dwarf and of a very luxuriant growth.

RED, GREEN LEAF

- The President.** 4 ft. This Canna is superior to any other red variety in the quality and also the quantity of bloom.

RED, BRONZE LEAF

- King Humbert.** 4 ft. The plants are crowned with immense heads of orchid-like, velvety orange-scarlet, rose-tinted and margined at the base.
- Wyoming.** Bronze-purple foliage, immense spikes of large massive orange flowers. 6 ft.

WHITE

- Eureka.** 4½ ft. With the advent of Eureka we are granted good full trusses; broad petals; uniform, free and continuous bloom, and a clean, waxy, lily-white color.
- Price of Canna Roots, each, 6c; doz., 65c.



Yellow King Humbert.

Canna Collection

The President, King Humbert, City of Portland, Hungaria. Two each of the 4 Cannas, 50c.

Miscellaneous Bulbs for Spring Planting

CINNAMON VINE

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 20 to 30 feet in a season. Large Roots, 10c; doz., \$1.00.

BEGONIAS (Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then. Rose, Scarlet, White, Yellow, each 20c; doz., \$2.00.

HARDY GARDEN LILIES

- Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Set the bulbs from five to seven inches deep. Large Bulbs.
- Auratum** (The Golden Rayed Lily of Japan). The flowers are pure white, through the center of each petal runs a clear golden band. Each, 25c; doz., \$2.50.
- Speciosum Melpomene.** Frosted white spotted, clouded and bordered with pinkish crimson. Each, 25c; doz., \$2.50.
- Lilium Regale** (3 ft.). Extra large bulbs. pure white, yellow center. Each, 20c; doz., \$2.25.
- Lilium Regale.** First size bulbs, pure white, yellow center. Each, 15c; doz., \$1.65.

AMARYLLIS, GIANT-FLOWERED

New Hybrids. This selection of giant bloomers in wonderfully varied and brilliant colorings. Each, 45c.

CALADIUM ESCULENTUM

Elephant's Ear. One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas.

	Each	Doz.
Mammoth bulbs	\$0.30	\$3.25
First Size bulbs	.20	2.25
Medium bulbs	.10	1.00

ISMENE CALATHINA

(Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer. Handsome clusters of large, very striking, fragrant pearly white flowers. Large bulbs, each, 10c; dozen, \$1.00.

TUBEROSE

- By Mail, add 10c Dozen, Postage.
- Dwarf Excelsior Pearl.** 24 inches. Early bloomer bearing pure white flowers, very double and sweetly scented. Doz., 60c.
- Albino.** 30 inches. Very early bloomer; dwarf habit; flowers waxy white and single. very fragrant. Doz., 60c.

St. Louis Seed Co.'s Dahlias

Time of Planting: The time for planting Dahlias varies quite a good deal, according to the locality. In the Central states tubers may be set out as early as May 1st in some sections and from then until the middle of June. Some of our best blooms have been grown from tubers planted out about June 15th. Dahlias should be planted from 2½ to 3 feet apart and covered to a depth of 4 inches. We list only varieties which will do best in our Middle West.

Decorative Dahlias

Bagdad. Brilliant scarlet-red, with its large blooms held high on strong stems. Good bush growth, and attracts much attention. **Each, \$2.00.**

Brockton Beauty. Light lavender flecked with purple in center. A beautiful dahlia of uniformly large size and fine form, and an early and free bloomer with long erect stems. **Each, 40c.**

Champoeg. Bright canary-yellow at center, shading into a light coral-red. Bush is very vigorous, with rough, thick foliage, and an early and free bloomer with perfect stems. **Each, \$1.50.**

Delice. Valuable for cut flowers; remain fresh long after cutting, long stems, perfect form. The color is a beautiful, soft, glowing rose-pink, shading slightly to the center. **Each, 25c.**

Dr. John Carman. Tyrian rose, tipped silver. Deep, broad-petaled flower held erect on strong stem. The medium-height bush is very rugged and a good bloomer. **Each, 85c.**

Dwight W. Morrow. Wonderfully rich crimson-red that does not burn nor fade. Immense blooms of great depth and graceful and artistic formation. Healthy grower, with leathery foliage. **Each, \$2.00.**

Fordhook Victory. Clear Tyrian pink, a beautiful self color. The very low bush is a reliable bloomer under any conditions, and there is no purer color among the pink dahlias. **Each, 50c.**

Francis Larocco. Pale sulphur-yellow. A beautiful flower, held on fine stems, and one of the finest cut flower dahlias. **Each, 35c.**

Grace. White, faintly flushed with delicate lavender pink, deepening slightly in the center. The perfectly formed flowers average 6 to 7 inches across, though by disbudding they can be grown to 9 inches, and are produced on long, rigid stems. **Each, 75c.**

Ida Perkins. One of the best white dahlias, a large, deep flower on erect stems. Bush is a fine grower and profuse bloomer. **Each, 50c.**

Jane Cowl. This marvelous dahlia is an enormous, deep flower of the warmest shades of buff, apricot, and old gold, beautifully formed, and held absolutely erect on superb stems. **Each, 40c.**

Jersey's Beacon. Brilliant Chinese scarlet, with buff reverse. A sturdy grower and free bloomer, with stiff stems. Very popular. **Each, 25c.**

Jersey's Beauty. A glorious pink bloom of perfect form, on long strong stems. Universally grown, and the best cut flower of all. **Each, 25c.**

Judge Marean. A fine large bloom of changing blends of salmon-pink, watermelon-red, orange and gold. Free bloomer on splendid stems. **Each, 25c.**

Kathleen Norris. Enormous flowers of pure rose-pink are held stiffly erect on long stems above a wonderfully vigorous bush of healthy, clean foliage. **Each, 75c.**

Kemp's Violet Wonder. Naphthaline violet with an undertone of royal purple. Huge, deep blooms of perfect form. A healthy grower and good bloomer, with long, stiff stems. **Each, 75c.**

Lady Bountiful. The flowers are excellent keepers and fine for cutting either disbudded or allowed to grow naturally. Color is reddish salmon, very attractive. **Each, 75c.**

Mrs. Eleanor Martin. A very satisfactory garden dahlia of large size, on strong stems, and a free bloomer. Color is an unusual mulberry-rose. **Each, 40c.**

Mrs. I. De Ver Warner. The flowers grow to an immense size without any great amount of disbudding, are of a perfect regular type and of the most glowing shade of mauve pink. **Each, 25c.**

Mrs. Jessie A. Cost. Pure white, with light cream suffusion at center. A flower of very beautiful formation, one of the finest keepers, held on long, stiff stem. Bush is good bloomer and can stand heavy feeding. **Each, 90c.**

Monmouth Champion. An immense, brilliant flame-colored flower, with vigor, habit, stems and blooming qualities all that could be desired. **Each, 65c.**



Decorative Dahlia, Jersey's Beauty.

St. Louis Seed Co.'s Dahlias

Decorative Dahlias—Continued.

Omar Khayyam. An immense dahlia, with a tall-growing bush of outstanding vigor. Color is Chinese red at base of petals, shading to a bright orange, and tipped lighter. A variety that instantly attracts the eye. **Each, \$1.90.**

Pride of California. Beautiful cardinal-red, shaded darker in center. Well-formed flowers on stiff stems, and superb keepers. **Each, 25c.**

Sagamore. Pure gold, shaded warm amber. Its color, good stem and wonderful keeping qualities have made this one of the leading cut-flower varieties. **Each, 25c.**

Saladini. Apricot-orange evenly suffused coral-red. Very vigorous, reliable and free, with fine flowers of uniform size. **Each, 45c.**

Waldheim Sunshine. Color is deep, pure yellow with a rich golden suffusion around its full, high center. A very sturdy grower and free bloomer with strong erect stems. The graceful formation of the long, wavy petals is one of the greatest attractions. **Each, 70c.**



Cactus Dahlia, F. W. Fellows.

Cactus Dahlias

Edna Ferber. Size of flowers very large; color, coral shading to old gold at base of petals, which are long and wavy. Tubers, each, 90c.

F. W. Fellows. An intense coral-red with a deeper suffusion at the center. For a long time it has stood foremost among the Cactus varieties. Flowers of unusual size for the long narrow petaled type. **Each, 40c.**

Fort Monmouth. (Semi-cactus). The predominating color is a rich crimson-maroon with a hue of bluish violet at tips of petals. The flowers are well formed, full centered, of true semi-cactus type and immense size. **Each, 90c.**

Gladys Sherwood. An immense glistening pure white, producing its giant flowers composed of long curling petals very freely without any forcing or disbudding. **Each, 40c.**

Jean Trimbee. A beautiful dahlia of rich Petunia violet, which can be grown to immense size. Very vigorous, with ideal stems and habit, and a free bloomer. **Each, \$1.50.**

Oriental Beauty. A very beautiful incurved-petaled bloom of pure rose-pink, produced freely on long, erect stems. Fine keeper. Bushes tall. **Each, 90c.**

Pompon Dahlias

These are tiny, compact growers, usually of quilled petals, and do not require disbudding.

Johnnie. A deep dark red. Tiniest of all and none more perfect in form. A favorite with men for button-hole bouquets. **Each, 35c.**

Kleine Domitea. Pretty orange-buff Dahlia. Profuse bloomer on good stems, makes it a favorite for table decorations. **Each, 35c.**

Joe Fette. Unquestionably the best white Pompon. Perfect flowers, long stems and very free. The florists' favorite white Pom for cutting. **Each, 35c.**

Yellow Gem. Small fine formed flower of creamy yellow color. Excellent for mixed bouquets or used alone, is a ladies' favorite for table decoration. **Each, 35c.**

Little Jewel. A clear peach-blossom-pink color, decorative, with flowers averaging from 1½ to 2 inches. Probably the best and prettiest Pompon on the market today. **Each, 35c.**

Pompon
Dahlia,
Kleine
Domitea.



Select Gladiolus

Gladioli, by Parcel Post, add 5c per doz.

Culture: The Gladiolus is one of the most decorative plants in the garden, and as a cut flower lends itself readily to any arrangement. If the spikes are cut when the lowest flower is in bloom, the others will open in succession and remain fresh a week or 10 days. Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs 6 to 9 inches apart, the large ones 4 inches and the small ones 2 inches deep.

Blue Shades

Anna Eberius. An extra fine variety and one that is destined to become very popular; color, dark velvety purple, throat a deeper shade. Doz., 35c; 100 for \$2.50.

Captain Boynton. Large lavender with purplish blotch. Doz., 35c; 100 for \$2.50.

Chas. Dickens. Very tall, strong plant with large flower head and very large purple-violet florets. Doz., 40c; 100 for \$3.00.

Marmora. It is large, stately, and most unusual in colors which are lavender-gray with colored blotch. Doz., 50c; 100 for \$3.50.

Minuet. Beautiful clear, light lavender; four to six large, heavily textured blooms open at once. Doz., 50c; 100 for \$3.50.

Ruth Huntington. Beautiful violet-lilac with deeper lilac markings on lower petals. Doz., 40c; 100 for \$3.00.

Veilchenblau. The color is a beautiful violet-blue darkening toward the center. The entire flower appears, at the first glance, to be made of blue velvet. Doz., 45c; 100 for \$3.50.

Red Shades

Dr. F. E. Bennett. This is among the finest of the new reds. Tall, sturdy grower with well arranged flowers. Doz., 35c; 100 for \$2.50.

Dr. Christ Martz. Ruffled light blood red. Large blooms. Doz., 40c; 100 for \$3.00.

Flaming Sword. Earliest of all reds, tinted salmon. A variety that is coming to the front very

fast; of brilliant red color, opens well and comes into flower very early. Doz., 35c; 100 for \$2.50.

Mrs. Francis King. The color brilliant flamingo-pink, blaze with vermilion-red. Doz., 30c; 100 for \$2.00.

Scarlet Princeps or Virginia. Flaming scarlet; large massive flowers, many open at a time, making a gorgeous display of dazzling red. Doz., 30c; 100 for \$2.00.

White

L'Immaculee. Pure white; tall slender stems with many flowers open at a time. Doz., 35c; 100 for \$2.50.

Mary Pickford. Lovely creamy white with soft sulphur-yellow throat; stem also creamy instead of green. Doz., 35c; 100 for \$2.50.

Mrs. F. C. Hornberger. Pure white, tall and strong. Six to eight open flowers at one time. Doz., 40c; 100 for \$3.00.

Peace. The general effect of the flower is white, with a pale lilac feathering on the interior petals. Doz., 30c; 100 for \$2.00.

Pink Shades

Betty Nuthall. The plants are tall and vigorous, the spikes very long, strong and graceful. The color is glowing orange-pink with pale orange throat and a light feathering of carmine. The florets are often 6 inches across. Doz., 50c; 100 for \$3.50.

Catherine Coleman. Rich coral La France pink; very large flowers well placed on tall, strong stem. Doz., 40c; 100 for \$3.00.



Select Gladiolus

PINK SHADES—Continued.

Elizabeth Tabor. Delicate rose-pink on white ground, rich dark crimson blotch pointed yellow. Doz., 35c; 100 for \$2.50.

Giant Nymph. Very large, light pink with creamy throat; one of the finest varieties on strong stem. Doz., 40c; 100 for \$3.00.

Halley. Salmon-pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center. Doz., 30c; 100 for \$2.00.

Los Angeles. Shrimp-pink with orange-carmine throat. Doz., 30c; 100 for \$2.00.

Mrs. Leon Douglas. Ground color begonia-rose, striped with flame and brilliant scarlet. Doz., 35c; 100 for \$2.50.

Mrs. Frank Pendleton. The petals show beautiful bright rose-pink on a pure white ground, contrasting in a most striking way with the deep rich velvety blood-red blotch on the lower petals. Doz., 30c; 100 for \$2.00.

Mr. W. H. Phipps. La France pink, overlaid with salmon-rose, lighter towards the center, lower petals faintly striped and speckled with ruby; enormous flowers, as many as fifteen open at a time and perfectly placed on gigantic stem. Doz., 35c; 100 for \$2.50.

Mrs. P. W. Sisson. A very good light pink. Doz., 30c; 100 for \$2.00.

Myrtle. The most beautiful pink, clearest dainty ruffled rose-pink. Doz., 35c; 100 for \$2.50.

Odin. Deep salmon-pink with intense carmine blotch on lower petals. Earlier and larger than Halley. Doz., 40c; 100 for \$2.50.

YELLOW SHADES

Golden Dream. Deep, pure yellow. Tall and fine exhibition variety. The florets are large, of splendid form, many out, and perfectly placed on a tall slender stem. A beauty. Doz., 50c; 100, \$3.50.

Schwaben. In color the flowers are a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine. Doz., 30c; 100 for \$2.00.

Senorita. Very large, clear wide open orange shading to salmon. Lower petals bright orange-yellow with prominent carmine tongue and penciling. Very attractive and unusual. Plants sturdy and of medium height. Doz., 40c; 100 for \$3.00.

PRIMULINUS

The blooms are distinct in their pleasing form and arrangement. Although the individual flowers are not large, they carry an air of grace altogether different from the stiff effect of other types.

Mrs. Calvin Coolidge. A beautiful ruffled light salmon-rose. Well worth growing if you like the more delicate shades. Doz., 40c; 100 for \$3.00.

Souvenir. Purest golden yellow of all Gladioli; large, beautifully shaped flowers on tall stem. Doz., 30c; 100 for \$2.00.

Orange Queen. An apricot-orange primulinus hybrid. Beautiful wide open flowers of excellent substance. Doz., 30c; 100 for \$2.00.

Primulinus, Mixed.

Self colors that are most pleasing on account of their delicacy. Doz., 30c; 100 for \$2.00.

CHOICEST MIXED GLADIOLUS COLLECTION

One bulb each of 12 named varieties. Absolutely the finest assortment of Gladiolus offered by anyone. This collection gives you a magnificent display of Gladiolus of every conceivable color, shading and marking. Per collection of 12 bulbs, 25c.



Everblooming Field - Grown Roses

Our hardy dormant Roses are ready for delivery from the first of March until the fifteenth of April. H. T.—Hybrid Tea. H. P.—Hardy Perpetual. Plants travel best by Express. If wanted by Parcel Post, add 5c each for postage. No plants sent C. O. D.

Please Note: We send out only strong, healthy rose plants, and cannot be responsible for the care and growth after leaving our hands. If plants do not reach you in good condition, please notify us at once upon arrival.

American Beauty. H. P. A very popular cerise-red. Each, 40c.

Autumn. H. T. Most extraordinarily colored rose-bud—burnt sienna—on strong stems for cutting. Foliage glossy and very dark green. Each, 40c.

Betty Uprichard. H. T. Semi-double, salmon-pink flowers stained with copper-pink on the outside. Each, 40c.

Briarcliff. H. T. Fine, handsome flowers of an even shade of silvery rose-pink. Each, 40c.

Caledonia. H. T. Flowers large, white, full, double, high-centered. Each, 45c.

Charles K. Douglas. H. T. The flowers are large, semi-double, brilliant light crimson with a scarlet undertone. Each, 40c.

Columbia. H. T. This beautiful Rose is of strong, vigorous habit. Color a most pleasing shade of rose-pink and delightfully fragrant. Each, 35c.

Dame Edith Helen. H. T. Shapely buds and substantial, high-centered blooms of clear pink, sweetly scented. Each, 35c.

Duchess of Wellington. H. T. Intense saffron-yellow, changing to a deep coppery saffron-yellow as the flowers are fairly full, with large petals, great substance, delightfully fragrant. Each, 40c.

Etoile de Hollande. H. T. Brilliant red blooms of magnificent size, perfect in half-open state, showing clean, attractive centers when fully open; very fragrant. Each, 45c.

Frau Karl Druschki. H. P. The distinctive form and expression of its bud. Large flowers of waxy paper-white in June. Each, 35c.

Francis Scott Key. H. T. Giant, wonderfully shaped, extremely double flowers of brilliant crimson. Each, 35c.

Golden Ophelia. H. T. Golden yellow in center shading to pale yellow on the outer petals. This is a seedling of the well-known variety Ophelia. Each, 40c.

Gruss an Teplitz. H. P. The color is of the richest scarlet, shading to a velvety crimson; very fragrant. Each, 35c.

Jonkheer J. L. Mock. H. T. A gorgeous, very double, brilliant pink variety shaded darker on the outside of the petals. Each, 35c.

Killarney White. H. T. A duplicate of the charming pink Killarney. Flowers white as snow, Each, 35c.

Los Angeles. H. T. Beautifully shaped, fragrant flowers of pale salmon-pink, richly shaded with deep rose and gold. Each, 40c.

Lady Hillingdon. H. T. The always-popular, beautiful apricot-yellow Tea Rose. Each, 45c.

Mary Hart. (New). H. T. A most unique sport of Talisman. The bud is maroon-red, opening to well-formed blossoms of deep, velvety blood-red with an overflow of amber. Each, \$1.50.



Radiance.



Frau Karl Druschki.



Lady Hillingdon.



Roslyn.



Gloria Mundi, Dwarf Polyantha.



Primrose Climber.

EVERBLOOMING FIELD-GROWN ROSES —Continued.

Mme. Albert Barbier. H. P. Full, cupped flower of soft fawn-yellow, paling to white, with pinkish shades in the center, blooming throughout the season. Each, 40c.

President Herbert Hoover. H. T. Maroon, orange and gold. Long-pointed buds, rigid stems. One of the best fall bloomers. Each, 50c.

Radiance. H. T. Brilliant rosy carmine shaded pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer. Each, 40c.

Red Radiance. H. T. An ideal bedding Rose of American origin that continues to produce its large flowers throughout summer. A Rose that does well everywhere. Each, 40c.

Roslyn. H. T. (New). Full golden yellow bloom, deeper in center, with orange splashings on back of petals. Each, 60c.

Souvenir de Claudius Pernet. H. T. A most vigorous grower of erect branching habit. Beautiful, brilliant green foliage; color, a most striking sunflower-yellow. Each, 40c.

Souvenir. (New). H. T. Souvenir (a golden yellow Talisman), one of the loveliest of Roses, was the outstanding gold medal winner in the 1932 American shows. Its bloom is a rich, deep golden yellow, and it is a prolific producer of fragrant flowers for cutting. Each, \$1.00.

Talisman. H. T. The outside of the petals is bright yellow, gold and pink; as the flower opens it becomes bright apricot. The bud is long and pointed. A strong grower with glossy foliage. Each, 45c.

Dwarf Polyantha Roses

Edith Cavell. Brilliant crimson, with white center. Each, 35c.

F. J. Grootendorst (Rugosa). Small, bright crimson flowers of the Baby Rambler type. Each, 35c.

Gloria Mundi. Brilliant orange-scarlet flowers in huge clusters. Each, 40c.

Triomphe Orleanais. One of the earlier improvements on Orleans. Finest of the crimson Polyanthas. Each, 30c.

Hardy Climbing Roses

Blaze. (New). Blaze combines the vigor, beauty and hardiness of Paul's Scarlet Climber with the everblooming qualities of a favorite everblooming Rose. Each, \$2.00.

Dr. W. Van Fleet. The color is a remarkable delicate shade of flesh-pink on the outer surface, deepening to rosy flesh in the center. Each, 35c.

Golden Climber. (New). (Mrs. Arthur Curtiss James). The most interesting and unusual feature is that its extreme hardiness is combined with blooms of Hybrid Tea type and quality, long lasting and most always solitary on stems often 18 inches. Each, \$2.00.

Staechelein. Crimson buds opening to large, perfumed, pale pink flowers. Each, 40c.

Primrose. New hardy yellow climber with large, double, canary-yellow flowers in great profusion. Each, 40c.

Paul's Scarlet Climber. No other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet. Each, 35c.

Silver Moon. Four- to five-inch semi-double flowers, pure white with thick clusters of yellow stamens. Each, 35c.



Althea (Rose of Sharon).



Forsythia Viridissima.

DEUTZIA

Very ornamental and popular shrubs with showy white or blush flowers appearing in tassel-like clusters in spring or early summer. Grows to 6 feet.

Pride of Rochester. Blooms in May in advance of the others. With very large, double white flowers. Each, 30c.

Crenata Rosea (Double Pink Deutzia). A tall shrub usually 6 to 8 feet high with numerous upright branches. Flowers double, pink. Each, 30c.

FORSYTHIA

A very decorative shrub with bright golden yellow, star-shaped flowers which burst into bloom at the beginning of spring while the bush is otherwise bare; grows about 6 ft.

Intermedia. Flowers bright yellow, glossy green foliage; 3 to 4 feet, extra bushy. Each, 30c.

Viridissima (Green Stem). Thick, green leaves; strong, erect habit, bright golden-yellow flowers in early Spring. Each, 30c.

HYDRANGEA

Arborescens Grandiflora Alba (Snowhill Hydrangea). Flower early in June and last until late in August. Especially suited for shaded places; grows about 5 ft. high. Each, 35c.

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast; grows about 3 ft. high. Each, 35c.

KERRIA (Corchorus)

Japonica. May, June. Flower yellow. Slender shrub, stoloniferous, with bright green branches, which remain so during winter. Grows about 4 ft. high. Each, 50c.

Hardy Ornamental Shrubs

Ready for shipment from March 1st to April 10th.

Note: Shrubs will be shipped on receipt of orders or as soon as they can be dug, unless instructed to the contrary, and can only be sent by Express, at purchaser's expense. No plants sent C. O. D. All shrubs are 3 to 4 feet high, strong healthy plants. We are not responsible for the care and growth, after they leave our hands. If plants do not reach you in good condition please notify us upon arrival.

ALTHEA (Rose of Sharon)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their late season of blooming, which is from August to October; grow about 8 feet high. Pink, Red, White. Each, 25c.

ALMOND, FLOWERING (Amygdalus)

This beautiful shrub is one of the loveliest. The flowers are borne on its slender branches during May, and are very fragrant. Grows about 4 feet high. Double-flowering pink. Each, 45c.

CORNUS (Dogwood)

Sibirica (Siberian Dogwood). A strong-growing variety with white flowers. The branches are crimson colored in winter; grows about 6 ft. 2 to 3 feet. Each, 35c.

DESMODIUM (Lespedeza)

A low-growing shrub with rose-colored flowers in September. Dies to the ground in winter. Attains a height of 3 to 4 feet. Chimp, 45c.



Hydrangea Arborescens.



Lonicera.

LILAC or SYRINGA

Marc Micheli (Purple). Very free bloomer of large flowers; an excellent variety. Each, 45c.

Marie Legraye (White). Free bloomer. Each, 45c.

LONICERA (Upright Honeysuckle)

Tartarica Grandiflora Rosea. A beautiful shrub, very vigorous, and producing bright red flowers striped with white in June; grows about 8 ft. Each, 30c.

MAGNOLIA

The Finest of All Shrubs.

Soulangeana Alba Superba. Freest blooming of all the deciduous magnolias. Blooms are large, pronounced pink in bud, white when fully open.

Each

4-5 ft., well branched, B. B. \$2.95

3-4 ft., well branched, B. B. 2.40

Soulangeana. Holds its pink tint throughout the blooming period. Does not set as many blooms as Alba Superba.

Each

4-5 ft., well branched, B. B. \$3.25

3-4 ft., well branched, B. B. 2.50

PHILADELPHUS (Mock Orange)

Grandiflorus (Mock Orange). Grows 10 ft. high. For grouping with other shrubs, forming large screens or hedges which may not require pruning, or used as single specimen lawn plants they are desirable. Fragrant, white flowers in dense clusters. Each, 35c.

Virginal. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white, sweet-scented and produced in clusters of five to seven. Grows about 8 feet high. Each, 40c.

Hardy Ornamental Shrubs—Continued.

RHUS (Sumac)

Aromatica (Fragrant Sumac). 6 to 8 feet; flowers yellow, red berries in June. Leaves turn to scarlet. Each, 55c.

Purple Fringe (Am. Smoketree). A much admired small tree or shrub for its curious fringe of hair-like flowers that cover the whole surface of the plants in the middle Summer. Each, 35c.

SPIRAEA

Anthony Waterer. Bright crimson; it is of dwarf, dense growth, never exceeding 30 inches in height. Each, 30c.

Van Houtte. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Grows about 6 feet high. Each, 25c; 10 for \$2.00.

Prunifolia (Bridal Wreath). Double pure white flowers; a perfect gem, each individual flower as double as a Ranunculus and very conspicuous. Grows about 5 feet high. Each 30c.

VIBURNUM (Snowball)

Common Snowball (V. opulus sterile). This old-fashioned favorite grows most anywhere. Attains a height of 6 to 8 feet. Each, 40c.

Opulus (High-Bush Cranberry). The white flowers in June are followed in autumn by bright scarlet berries. Grows about 5 feet high. Each, 50c.

WEIGELAS

Candida. Flowers pure white and produced in great profusion in June. Each, 35c.

Rosea. A charming Weigela, flowers brilliant crimson; a beautiful, distinct, clear shade. Each, 35c.

Hedge Plants

We offer two of the principal shrubs that are extensively used for Hedge Plants.

California Privet. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion. 2-year-old, 24 to 30 inches. 10 for 35c; 20 for 60c; 100 for \$2.75.

Berberis Thunbergi (Japan Barberry). Perfectly hardy. Will make a dense hedge from 2 to 3 feet high, which will always remain symmetrical without any pruning. Bears large, nearly round, crimson berries. Each, 15c; 10 for \$1.25; 100 for \$9.00.

Red-Leaved Japanese Barberry. It is similar in all respects to the green-leaved Japanese Barberry which is so popular, but in the foliage is bronzy red. Each, 25c; 10 for \$2.25.

Hardy Climbing Plants

AMPELOPSIS (Boston Ivy)

Veitchi. This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places and attaining a height of 30 feet in two or three years; clings to stone, brick or woodwork with the greatest tenacity. Each, 35c.

CLEMATIS

Jackmani. The best known and most valued large flowering variety of this popular family. Fine for trellis. Color, royal purple. Each, 50c.

Paniculata. This grand climbing vine is one of the most valuable for porches. Blooms in the early fall, fleecy-white, fragrant flowers. Strong two-year plants. Each, 30c.

BITTERSWEET

A native climber, with handsome, glossy foliage and large clusters of beautiful orange-crimson fruits, remaining all winter. Each, 50c.

summer and fall great foamy sprays of white flowers. Strong plants. Each, 60c.

WISTERIA

W. Sinensis (Chinese). Flowers in clusters; pale blue; sometimes gives a second crop of flowers in the fall. Strong plants. Each, 40c.

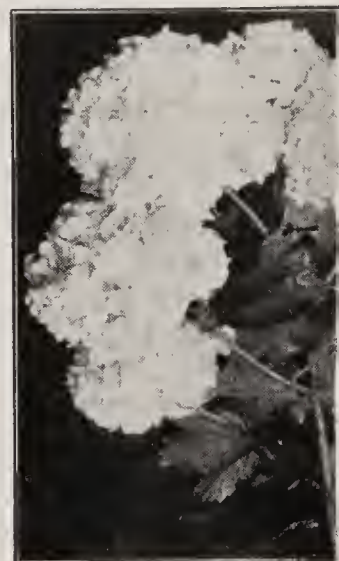
W. Sinensis Alba. Of similar habit to sinensis, with pure white flowers. Strong plants. Each, 40c.



Privet Hedge.



Ampelopsis
(Boston Ivy).



Viburnum
(Common Snowball).



Wisteria.

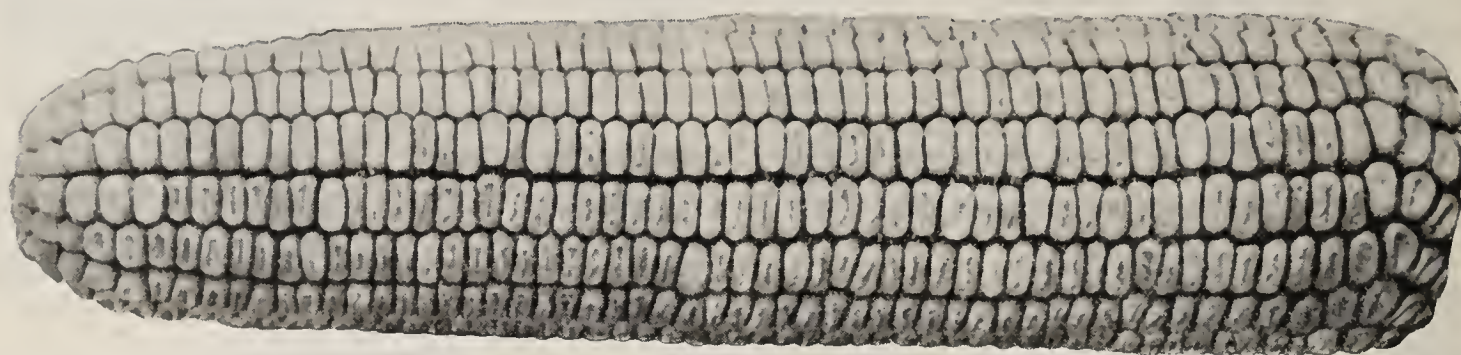
HONEYSUCKLE (Climber)

Halliana (Hall's Japanese Honeysuckle). A strong, vigorous, almost evergreen sort; white flowers changing to yellow; very fragrant; flowering from July to December. Each, 25c.

POLYGONUM (Silver Lace Vine)

One of the most desirable flowering climbers. The plant is of strong, vigorous growth, attaining a height of 25 feet or more, producing through the

St. Louis Seed Co.'s Selected Seed Corn



Extra charge for Bags; 1 bu. cotton, 15c;
seamless bags, 35c.

Graded Seed Corn

We carefully grade all seed corn which we send out, removing the extreme tip and butt kernels so that it is readily planted with edge-dropping planters.

Champion Early White Pearl. (90 days). This is the earliest snow white Dent corn. Grown extensively by gardeners for roasting ears. It is an immense yielding variety. 5 lbs., 25c; 15 lbs., 60c; 25 lbs., 85c; 56 lbs., (1 bu.), \$1.65.

Gold Bond. Medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row. 5 lbs., 30c; 15 lbs., 65c; 25 lbs., 90c; 56 lbs. (bu.), \$1.75.

Iowa Silver Mine. (100 days). Is one of the best known sorts on account of its great popularity and wonderful record. Stalks grow 8 to 10 feet in height and ears set well down toward the ground. 5 lbs., 25c; 15 lbs., 60c; 25 lbs., 85c; 56 lbs., (1 bu.), \$1.65.

Pride of the North. (90 days). The great favorite of the extreme Northern States and a most useful variety where a late planting is necessary. The ears run from 7 to 9 inches long, with small cob and deep kernels. 5 lbs., 25c; 15 lbs., 60c; 25 lbs., 85c; 56 lbs., (1 bu.), \$1.65.

Reid's Yellow Dent. The Most Popular Yellow Dent Corn in the Great Central Corn Belt. (110 days). One of the best varieties of yellow corn grown. Ear medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob. 5 lbs., 25c; 15 lbs., 60c; 25 lbs., 85c; 56 lbs., (bu.), \$1.65.

St. L. S. Co.'s White Star. (110 days). This wonderful white Dent corn is known, grown and more extensively planted than any White Corn. 5 lbs., 30c; 15 lbs., 65c; 25 lbs., 90c; 56 lbs., (bu.), \$1.65.

St. Charles White, Red Cob. (120 days). It is a very handsome, pure variety of white corn, set on a red cob and the ears are usually 8 to 10 inches long, 16 to 18 rows of deep, broad kernels. 5 lbs., 25c; 15 lbs., 60c; 25 lbs., 85c; 56 lbs. (bu.), \$1.65.

Pop Corn. See page 14.

Du Bay Semesan



Prevent the many damaging diseases of flowers and vegetables that are carried on the seed, by disinfection of the seed with Semesan. It destroys the destructive diseases on the seed and protects them from the rots in the soil, which results in increased stands of more vigorous, healthy plants that yield larger, quality crops. Sprinkling of the seedling beds with Semesan solution effectively prevents damping-off. Recommended especially for seeds, bulbs, and gladiolus corms.

Du Bay Seed Disinfectants are poisonous and owing to present Postal Regulations cannot be mailed but must be sent by express.

Consult Chart for the Correct Du Bay Disinfectant for Each Kind of Seed.

Semesan (for Vegetables and Flowers). 2 oz., 50c; 1 lb., \$2.50; 5 lbs., \$11.75; 25 lbs., \$46.25.
1 oz. per 15 lbs. seed. **FLOWER BULBS** (Gladiolus)
2 1/2 oz. per bu. bulbs, as a dip.

Semesan, Jr. (for Corn). 4 ozs., 50c; 1 lb., \$1.50; 5 lbs., \$7.00; 25 lbs., \$28.75.
2 ounces treat one bushel of seed corn, as a dust.

Semesan, Jr. (for Corn). 4 ozs., 50c; 1 lb., \$1.50; 5 lbs., \$8.00; 25 lbs., \$31.25.
1 pound treats 60 to 80 bushels of seed potatoes, as a dip.

Ceresan (for Wheat, Oats, Barley, Rye, and (Cotton). 1-lb. tin, 75c; 5-lb. tin, \$3.00.
2 to 3 ounces treat a bushel of seed, as a dust.

Ansul Formaldehyde Dust

METHODS OF TREATMENT.



Ansul Formaldehyde Dust is a seed and soil treating compound which controls seed borne diseases and when applied to the soil controls "damping-off" and other root rots of vegetable and floral seedlings. The sterilization of soil and seed with Formaldehyde is not new. The oldest disinfectant known.

The Ansul Formaldehyde Dust treatment, the mixing of the soil, and the planting of the seed is all one operation.

For damping-off control of seedlings use 1 1/2 oz. of Ansul Formaldehyde Dust per square foot of area of soil in beds, benches or flats 2 1/2 to 3 inches deep. After the soil is prepared and in the bench or beds, spread the required amount of Ansul Formaldehyde Dust evenly over the surface and work thoroughly into the soil. When flats or pots are to be used, enough soil should be placed on a bench or cement floor and the dust mixed with it, at the rate of eight ounces per bushel of soil. Place in flats, sow seeds and water immediately. 1 lb., 75c; 5 lbs., \$2.00; 25-lb. drum, \$5.50; 50-lb. drum, \$9.00.



RECLEANED FARM SEEDS

Bags extra at cost. Seamless, 35c each.

All Prices on Field Seeds are Subject to Market Changes. All Orders Filled to the Amount of Remittance at Market Prices When Orders are Received.



Alfalfa.			
	1 lb.	10 lbs.	100 lbs.
Kansas Extra Fine	\$0.25	\$2.00	\$15.00
Northwestern (Utah) .....	.25	2.25	17.50
Grimm (Red Seal) .....	.35	3.00	24.00
Grimm (Blue Seal) .....	.35	3.10	25.00

Sweet Clover.			
	1 lb.	10 lbs.	100 lbs.
White Blossom, Scarified ..	\$0.15	\$1.00	\$ 7.50
White Blossom, Unhulled .	.15	1.00	6.00
Yellow Blossom, Scarified .	.15	1.00	7.00

Red Clover			
	1 lb.	10 lbs.	100 lbs.
Fancy, Recleaned .....	.30	2.40	16.00
Mammoth Sapling .....	.30	2.50	18.00

Alsike or Swedish			
	1 lb.	10 lbs.	100 lbs.
Fancy Recleaned .....	.30	2.50	17.00

Lespedeza			
	1 lb.	10 lbs.	100 lbs.
Japan .....	.20	1.50	7.00
Korean .....	.20	1.50	6.00

White Clover			
	1 lb.	10 lbs.	100 lbs.
White or Dutch .....	.50	4.50	

Crimson Clover			
	1 lb.	10 lbs.	100 lbs.
Fancy Recleaned .....	.25	1.50	12.00

Cowpeas			
	1 lb.	10 lbs.	Bu.
Whippoorwill	\$0.10	\$0.65	Write for Price
New Era .....	.10	.65	
Fancy Mixed .....	.10	.65	

Oats			
	1 lb.	10 lbs.	Bu.
Fulghum .....	.05		.75
Early White .....	.05		.65

Seed Rye			
	1 lb.	10 lbs.	Bu.
Rye, Recleaned .....	.05	.40	1.20

Soy Beans			
	1 lb.	10 lbs.	Bu.
Manchu (Early Yellow) ...	.10	.60	
Virginia (Early Brown) ...	.10	.60	Write for Price
Illinois 1319 (Imp. Virginia) .....	.10	.60	
Mixed, fine for Hay .....	.10	.60	

Grasses			
	1 lb.	10 lbs.	100 lbs.
Red Top			
Fancy solid, 94 Pure .....	.25	2.00	14.00
Timothy. Fancy, Recleaned, 99.50 Pure .....	.20	1.50	10.00
Orchard Grass			
Fancy, Recleaned .....	.25	1.85	13.50
Pasture Mixture			
Pasture Mixture		1.75	13.00
Sudan Grass. New Crop, Recleaned, Fancy .....	.15	1.00	6.50
Lawn Grasses			
Bermuda .....	.30	2.70	22.00
Canada, Blue—Extra fine .	.30	2.50	18.50
Kentucky Blue—Extra fine	.30	2.50	17.50
Havalawn Mixture—			
Extra fine .....	.30	2.50	17.50
Quick Result Mixture .....	.20	1.80	13.50
Meadow Fescue .....	.20	1.60	12.50
Rye Grass .....	.20	1.60	12.50

Miscellaneous			
	1 lb.	10 lbs.	100 lbs.
Barley	\$0.10	\$0.60	\$ 3.25
Buckwheat .....	.10	1.00	6.00
Broom Corn .....	.15	2.00	12.00
Cane, Amber Fodder .....	.10		
Cane, Orange Fodder .....	.10		
Canada Peas .....	.10		
Flax .....	.15		
Kaffir, White .....	.10		
Hemp .....	.10		
Peanuts, Large Jumbo .....	.25		
Sunflower, Russian .....	.10		
Millet—large yellow			
Milo Maize			

TREAT ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cowpeas, Vetch, Peas, Beans, Peanuts, with



All Legume Germs are Perishable To Protect You NITRAGIN Cans Stamped With Expiration Date Authorities Recommend Inoculating With Water

THE ORIGINAL LEGUME INOCULATOR
Guaranteed Fresh Each Year—Leads in High Germ Count

When ordering, always specify kind of seed.

Alfalfa, All Clovers, Lespedeza	
Size	Price
1/2 bu.	\$0.35
1 bu. ....	.65
2 1/2 bus.	1.40

Peas, Vetch, Beans,	
Austrian Winter Peas	Price
1/2 bu.	\$0.35
1 bu. ....	.50
*1 2/3 bus. ....	.80
5 bus.	2.25
**"100-lb. size" packed only for Vetch and Peas.	

Soy Beans, Cow Peas	
Size	Price
1 bu.	\$0.35
2 bus. ....	.65
5 bus.	1.40
10 bus.	2.45

Garden NITRAGIN for Peas, Beans, Sweet Peas
Inoculates from 1 oz. to 8 lbs. seed.
Price, 25c.

ANNUALS

Live only one season. The time for sowing given here is for out-of-doors. May be sown indoors earlier.

Name	Height	Shape	Color	Best For	Sow Seed	Transplant	Bloom
Abronia	10 in.	Trailing	Rose	Rockery	April	When 1" high	Summer and Fall.
Acroclinium	1½ ft.	Bushy	Mixed	Cut	April-May	When 2" high	July-October.
Adonis	1 ft.	Branchy	Red		April-May	Do Not	Summer.
Ageratum	6-12 in.	Bushy	Blue-White	Edging and Bedding	April-May	When 1" high	Summer and Fall.
Alyssum	3-9 in.	Spreading	White	Edging and Bedding	April-July		Summer and Fall.
Amaranthus	2-4½ ft.	Bushy	Mixed	Bedding and Border	May	When 2" high	Summer and Fall.
Anagallis	8 in.	Spreading	Mixed	Edging and Bedding	May	When 1" high	Summer.
Antirrhinum	1½-3 ft.	Bushy	Mixed	Bedding and Cut	April-June	When 2" high	Summer and Fall.
Arctotis	2 ft.	Branchy	White-Lilac	Cut	May	When 2" high	Summer.
Argemone	2½-3 ft.	Branchy	Mixed	Border	May	Do Not	July to October.
Asters	1-3 ft.	Branchy	Mixed	Bedding and Cut	May	When 1" high	Summer and Fall.
Balloon Vine	5-10 ft.	Climber	White		May		Summer.
Balsam	2 ft.	Branchy	Mixed	Border	May	When 2" high	Summer and Fall.
Balsam Apple	10 ft.	Climber	Ornamental Fruit		May	Do Not	
Bartonia	1½ ft.	Branchy	Yellow	Bedding	May	Do Not	July and August.
Brachycome	1 ft.	Bushy	Blue-White	Edging and Bedding	April-May	When 2" high	Summer.
Browallia	1 ft.		Blue	Bedding and Pots	April-May	When 1" high	Summer.
Caecilia	1½ ft.	Bushy	Red	Cut	May	When 2" high	July to October.
Calandrinia	1 ft.	Bushy	Rose	Cut	April-May	When 2" high	July to frost.
Calendula	1-1½ ft.	Bushy	Yellow	Cut	April-July	When 1" high	June to frost.
Calliopsis	1-3 ft.	Bushy	Mixed	Cut	April-May	Do Not	June to September.
Canary Bird Vine	10 ft.	Climber	Yellow		May	Do Not	Summer.
Candytuft	6-12 ft.	Bushy	Mixed	Bedding and Cut	April-July	When 1" high	Summer.
Canterbury Bell	2 ft.	Erect	Mixed	Bedding	April-May	When 2" high	Summer and Fall.
Cardinal Climber	20-30 ft.	Climber	Red		May		Summer and Fall.
Carnation	12-15 in.	Tuft	Mixed	Cut			
Celosia	1-3½ ft.	Bushy	Mixed	Pedding and Cut	May	When 2" high	June to October.
Centaurea	2½-3 ft.	Branchy	Mixed	Cut	April to June	Do Not	June to October.
Chrysanthemum	1-1½ ft.	Bushy	Mixed	Cut	April and May	When 2" high	Summer.
Clarkia	2-2½ ft.	Branchy	Mixed	Cut	April and May	When 2" high	July and August.
Cleome	3-4 ft.	Branchy	Rose	Border and Backgd.	May	Do Not	July to September.
Cobaea	20 ft.	Climber	Blue and White		May	Do Not	August to October.
Cockscomb	1-1½ ft.	Bushy	Mixed	Bedding and Cut	May	When 2" high	June to October.
Cornflower	3 ft.	Branchy	Mixed	Cut	April to June	Do Not	June to October.
Corn, Rainbow	5-6 ft.	Erect	Variegated Foi.	Background	May	Do Not	
Cosmos	4-6 ft.	Branchy	Mixed	Cut	May	When 4" high	June to October.
Cotton	3 ft.	Bushy	Ornamental		April	Do Not	
Cynoglossum	1½-2 ft.	Branchy	Blue	Border and Cut	May	When 2" high	July and August.
Cypress Vine	15 ft.	Climber	White and Red		May	Do Not	July to October.
Datura	3 ft.	Bushy	White and Yellow	Bedding	May	When 4" high	Summer.
Dianthus	1 ft.	Tuft	Mixed	Bedding and Cut	May	When 2" high	Summer.
Didiscus	1½ ft.	Bushy	Blue	Cut	May	When 2" high	Summer.
Dimorphotheca	1 ft.	Bushy	Yellow and White	Border and Cut	May	When 1" high	Summer.
Dolichos	10 ft.	Climber	Purple and White		May	Do Not	July to October.
Erysimum	1½ ft.	Bushy	Yellow	Border	May	When 2" high	July to August.
Eryscholtzia	1 ft.	Bushy	Mixed	Bedding and Cut	April		June to October.
Euphorbia	2-4 ft.	Branchy	Ornamental Foi.	Mixed Borders	April and May	When 2" high	
Four O'clock	3 ft.	Bushy	Mixed	Backgd. and Bord.	April and May	When 4" high	July to October.
Gaillardia	1½ ft.	Bushy	Mixed	Border and Cut	April and May	When 2" high	June to October.
Gilia	2 ft.	Bushy	Blue	Cut	April and May	When 2" high	June to September.
Godetia	1-1½ ft.	Erect	Mixed	Bedding and Pots	May	When 1" high	July to September.
Gomphrena	1-1½ ft.	Bushy	Mixed	Bedding and Cut	April	When 2" high	June to October.
Grasses, Orn.	1-3 ft.	Tuft		Bedding and Border	May	When 4" high	
Gynsophila	1½ ft.	Branchy	White and Rose	Cut	May	Do Not	Six weeks.
Helichrysum	2-2½ ft.	Bushy	Mixed	Cut	May	When 2" high	August to October.
Hop, Japanese	10-20 ft.	Climber	Variegated Foi.		May	Do Not	
Hummennannia	1½ ft.	Bushy	Yellow	Bedding and Cut	April and May	Do Not	July and August.
Ice Plant	8 in.	Spreading	White	Edging and Rockery	April and May	When 1" high	June to October.
Kochia	2-3 ft.	Bushy	Red	Hedge Plant	May	When 4" high	
Lantana	1 ft.	Bushy	Mixed	Bedding	April	When 2" high	July to October.
Larkspur	2-6 ft.	Branchy	Mixed	Border and Cut	Spring or Fall		Spring and Summer
Lavatera	2 ft.	Branchy	Pink	Border and Cut	May	When 2" high	July to October.
Leptosiphon	4-6 in.	Bushy	Mixed	Border and Rockery	April to June	Do Not	In 8 weeks.
Linum	15 in.	Branchy	Scarlet	Border	April and May	Do Not	June and July.
Lobelia	4-6 in.	Bushy	Blue	Edging and Paskets	April and May	When 1" high	June to October.
Lupinus	2-3 ft.	Branchy	Mixed	Border and Cut	May	Do Not	July-August.
Malope	3 ft.	Branchy	Mixed	Border	April and May	When 2" high	July and August.
Marigold	1-4 ft.	Bushy	Yellows	Border and Cut	May	When 2" high	July to October.
Matthiola	1 ft.	Bushy	Lilac	Border	May	Do Not	July to September.
Mesembryan-							
themum	6 in.	Spreading	Mixed	Rockery	May	When 1" high	July.
Mignonette	1-1½ ft.	Erect	Mixed	Cut	April and May	Do Not	July and August.
Mimulus	6-8 in.	Bushy	Mixed	Edging and Rockery	April and May	When 1" high	June and July.
Mina Lobata	15-25 ft.	Climber	Yellow and White		April and May	Do Not	July and October.
Moonflower	30-40 ft.	Climber	Blue, Pink, White		May	Do Not	August to October.
Morning Glory	15-20 ft.	Climber	Mixed		May	Do Not	June to October.
Nasturtium	1-8 ft.	Bu., Cl.	Mixed	Bedding and Border	May	When 4" high	July to September.
Nemesia	8 in.	Bushy	Mixed	Bedding	April and May	When 1" high	June-July.
Nemophila	6 in.	Bushy	Mixed	Shady Border	April and May	Do Not	June to August.
Nicotiana	2½ ft.	Branching	White and Red	Border and Cut	April and May	Do Not	July to October.
Nierembergia	1 ft.	Branchy	White and Lav.	Rockery, Baskets	April and May	When 2" high	July to October.
Nigella	1½ ft.	Bushy	Blue and white	Bedding and Cut	May	Do Not	July and August.
Oenothera	2 ft.	Branchy	Yellow	Bedding and Border	May	When 2" high	June to September.
Petunia	1-2 ft.	Branchy	Mixed	Bedding	March to July	When 2" high	June to October.
Phlox	6-12 in.	Branchy	Mixed	Bedding and Cut	March to June	When 2" high	June to October.
Poppy	1-2 ft.	Erect	Mixed	Bedding and Cut	Mar. and Apr.	Do Not	June.
Portulaca	6-1 in.	Spreading	Mixed	Edging	April to July	When 1" high	June to October.
Primula	6-20 in.	Bushy	Mixed	Pots	April and May	When 2" high	Winter.
Pyrethrum	1 ft.	Bushy	Mixed	Edging	May	When 2" high	
Rhodanthe	1 ft.	Bushy	Mixed	Winter Bouquets	April and May	When 2" high	July to October.
Rolius	5-15 ft.	Branchy	Ornamental	Background	May	Do Not	
Salpiglossis	2½ ft.	Branchy	Mixed	Bedding and Cut	April and May	When 2" high	July to October.
Salvia	1-3 ft.	Bushy	Red	Bedding and Border	May	When 2" high	July to October.
Sanvitalia	6 in.	Trailing	Yellow	Edging and Rockery	May	When 1" high	July to October.
Scabiosa	2½ ft.	Bushy	Mixed	Border and Cut	May	When 2" high	July to October.
Schizanthus	16 in.	Bushy	Mixed	Bedding and Pots	April and May	When 2" high	June to August.
Sedum	3 in.	Spreading	Blue	Border and Rockery	May	When 1" high	July.
Sensitive Plant	1 ft.	Branchy	Novelty	Garden or Pots	April and May	When 2" high	
Silene	1 ft.	Bushy	Mixed	Border	May	When 2" high	July and August.
Statice	1-3 ft.	Branchy	Mixed	Winter Bouquets	May	When 2" high	July to October.

ANNUALS—Continued.

Name	Height	Shape	Color	Best For	Sow Seed	Transplant	Bloom
Stevia	1½ ft.	Bushy	White	Cut	April and May	When 2" high	July-August.
Stocks	1½-2½ ft.	Branchy	Mixed	Bedding and Cut	Fall or Spring	When 2" high	May-June.
Sunflower	3-8 ft.	Branching	Yellow	Border and Cut	May		August-September.
Sweet Peas	6-8 ft.	Climber	Mixed	Cut	March to May	Do Not	June and July.
Sweet William	1½ ft.	Tuft	Mixed	Border and Cut	April and May	When 2" high	June and July.
Tithonia	8 ft.	Branchy	Orange-red	Background and Cut	May	When 4" high	August to October.
Torenia	1 ft.	Bushy	Blue	Bedding and Pots	April and May	When 2" high	July to September.
Verbena	6-12 in.	Spreading	Mixed	Beds and Massing	May	When 2" high	July to October.
Vinca	1-1½ ft.	Branchy	Pink and White	Bedding and Borders	April and May	When 3" high	July to October.
Wallflower	1½-2 ft.	Bushy	Mixed	Bedding and Cut	March to May	When 2" high	August and Sept.
Wild Cucumber	15 ft.	Climber	Ornamental		May	Do Not	
Woolflower	2-3 ft.	Branchy	Mixed	Bedding and Borders	March to May	When 2" high	July to October.
Zinnia	1-4 ft.	Branchy	Mixed	Bedding and Cut	May to Aug.	When 2" high	July to October.

PERENNIALS

Perennial seed may be planted in fall, but on account of the hot, dry fall season in St. Louis locality, we advise sowing perennials in early May, except those marked FALL, which are slow and will not germinate until the following spring. Perennials marked (*) will bloom the first year from seed if sown early.

Name	Height	Shape	Color	Best For	Sow Seed	Transplant	Bloom
Achillea	2 ft.	Erect	White	Rockery and Cut	May	September	All Summer.
Aconitum	3 ft.	Bushy	Blue	Border	Fall	September	Sept. and Oct.
*Agrostemma	2 ft.	Erect	Red	Rockery and Cut	May	September	June-July.
Alyssum	10 in.	Spreading	Yellow	Rockery	May	September	May.
Ampelopsis	20-30 ft.	Climber	Ornamental	Stone Walls	Fall	Sept. or April	
Anchusa	5 ft.	Branchy	Blue	Shade	May	September	May-June.
Anemone	2 ft.	Bushy	Mixed	Cut	March-April	September	August to October.
Anthemris	2 ft.	Bushy	Yellow	Cut	May and Sept.	Sept. and April	June to August.
Aquilegia	2-3 ft.	Bushy	Mixed	Border and Cut	May and Sept.	September	May-June.
Arabis	6 in.	Spreading	White	Rockery	May	September	April.
Armeria	1 ft.	Tuft	Rose	Edging	May	September	June.
Asclepias	2 ft.	Bushy	Orange-scarlet	Cut	May and Sept.	Sept. and April	July-August.
Asters	½-4 ft.	Bushy	Mixed	Rockery and Cut	May	September	May, June to Sept.
Aubrietia	6 in.	Trailer	Mixed	Rockery	May	September	April-May.
Auricula	10 in.	Erect	Mixed	Border and Pots	Fall	June and July	May.
Baptisia	3½ ft.	Bushy	Blue	Border	May	September	May to June.
Bellis (Daisy)	6 in.	Tuft	Mixed	Shady Position	August-Sept.	April	May-June.
Bocconia	6-7 ft.	Branchy	White	Border	May	September	July.
*Boltonia	3-4 ft.	Branchy	Pinkish Lavender	Cut	March to May	May and Sept.	September-October
Campanula	½-5 ft.	Erect	Mixed	Border and Rockery	May	September	June to August.
Candytuft	8 in.	Bushy	White	Rockery	September	March-April	April to June.
Carnation	1-1½ ft.	Tuft	Mixed	Cut and Rockery	May	September	May and July.
Centaurea	1½ ft.	Bushy	Blue	Cut and Edging	May	September	May-June.
Cerastium	6 in.	Trailing	White	Edging and Rockery	May	September	May-June.
Chelone	3 ft.	Bushy	Mixed	Border and Cut	May	September	June-July.
Clematis	12-15 ft.	Climber	Mixed		Fall	April	June, Aug., Sept.
Columbine	2-3 ft.	Bushy	Mixed	Border and Cut	May and Sept.	September	May, June, July.
Coreopsis	2-3 ft.	Bushy	Yellow	Cut	May	September	June-July.
Crucianella	6 in.	Creeping	Red	Rockery	May	September	June.
Daisy, Shasta	2½ ft.	Bushy	White	Border and Cut	May	September	June.
Delphinium	2-5 ft.	Branchy	Blue and White	Border and Rockery	July to Sept.	April and May	June to October.
Dianthus (Pinks)	6-12 in.	Tuft	Mixed	Bedding and Rock.	May	September	May to October.
Dictamnus	2½ ft.	Bushy	Pink and White	Border and Cut	Fall	September	June-July.
Digitalis	3-5 ft.	Erect	Mixed	Background; Border	May	September	June-July.
Echinops	2-3 ft.	Erect	Blue	Border and Cut	May	September	July.
Forget-me-not	8 in.	Tuft	Blue and Rose	Rockery and Cut	Aug. to Sept.	April	May.
Foxglove	3-5 ft.	Erect	Mixed	Background; Border	May	September	June-July.
*Gaillardia	2-2½ ft.	Bushy	Mixed	Border and Cut	April	September	June to October.
Geum	1½-2 ft.	Branchy	Red and Yellow	Cut and Rockery	May	September	May-June.
Grasses	3-6 ft.	Ornament.		Bedding and Border	May and Sept.	May	Summer.
Gypsophila	½-3 ft.	Branchy	White and Rose	Rockery and Cut	May	September	June to August.
Helianthemum	8 in.	Spreading	White and Pink	Rockery	May	September	May-June.
Heliopsis	3-4 ft.	Bushy	Yellow	Cut	May	September	June to October.
Heuchera	1 ft.	Erect	Crimson	Rockery and Cut	May	September	May-June.
Hibiscus	4 ft.	Bushy	Mixed	Background; Border	Fall	September	July.
Hollyhock	5-7 ft.	Erect	Mixed	Background; Border	May	Sept. and April	June-August.
Incarvillea	2 ft.	Bushy	Mixed	Bedding and Border	March to May	June	June to October.
Kudzu Vine	40-50 ft.	Climber	Purple		May	September	August-September.
Lavender	1 ft.	Branchy	Lavender	Border	May	September	June.
Liatris	2-3 ft.	Erect	Purple	Border and Cut	May	September	July-August.
Lily, Regal	2 ft.	Erect	White	Cut	Fall	Sept. or April	June.
*Linaria	3 in.	Trailing	Violet	Rockery	March	May	July to September.
Linum	1½ ft.	Branchy	Blue	Rockery	May	September	May-June.
Lobelia	2-4 ft.	Erect	Red	Cut	Spring or Fall	When 4" high	July to September.
Lupinus	2½-3 ft.	Erect	Mixed	Cut	May	September	May-June.
Lychnis	1-3 ft.	Bushy	Mixed	Bedding and Border	May	September	June to August.
Lythrum	3 ft.	Bushy	Pink	Massing	May	September	July to August.
Myosotis	8 in.	Tuft	Blue and Rose	Rockery and Cut	August-Sept.	April	May.
Oenothera	3 ft.	Franchy	Yellow	Bedding and Border	May	September	June to August.
Pansy	6 in.	Tuft	Mixed	Shady Places	Spring; Fall	When 1" high	Spring and Summer
Pentstemon	2½ ft.	Branchy	Mixed	Border	May	September	June-July.
Perennial Peas	6-8 ft.	Climber	Mixed	Cut	May	September	July to October.
Phlox	2-3 ft.	Erect	Mixed	Bedding and Cut	Fall; Spring	When 4" high	July to September.
Physalis	1½ ft.	Erect	Ornamental	Winter Bouquets	May	September	August-September.
Physostegia	3 ft.	Erect	Pink	Border and Cut	May	September	June-July.
Platycodon	3 ft.	Bushy	Blue	Border and Rockery	May	September	June to September.
Polemonium	1-2 ft.	Bushy	Purple	Border and Rockery	May	September	April to June.
Poppy	1-3 ft.	Bushy	Mixed	Cut and Rockery	March-April	August	May.
Potentilla	1½ ft.	Branchy	Mixed	Border and Rockery	May	September	June.
Primula	6-12 in.	Erect	Mixed	Pots and Rockery	Fall	June-July	May.
Pyrethrum	2 ft.	Bushy	Mixed	Edging and Cut	May	September	May-June.
Rosemary	2 ft.	Bushy	Blue	Seasoning	April	June	
Rudbeckia	2-6 ft.	Bushy	Yellow and Purple	Cut	May	September	July-October.
Salvia	3 ft.	Branchy	Blue	Bedding and Border	April	June	August-September.
Saponaria	1 ft.	Trailing	Rose	Rockery	May	September	May-June.
Scabiosa	2-3 ft.	Bushy	Blue and Pink	Border and Cut	May	September	July to October.
Sedum	6-18 in.	Crp.-Bush.	Mixed	Border and Rockery	May	Sept.-May	July-October.
Shasta Daisy	2½-3 ft.	Bushy	White	Border and Cut	May	September	June.
Statice	1½-2 ft.	Bushy	Blue and White	Winter Bouquets	May	September	June-July.

PERENNIALS—Continued.

Name	Height	Shape	Color	Best For	Sow Seed	Transplant	Bloom
Stokesia	1-2 ft.	Branchy	Blue	Cut	May	September	June to August.
Sunflower	4-5 ft.	Branchy	Yellow	Border and Cut	May	September	August-September.
Sweet Peas	6-8 ft.	Climber	Mixed	Cut	May	September	July to October.
Sweet Rocket	2-3 ft.	Branchy	Mixed	Border and Cut	May	September	May-June.
Sweet William	1½ ft.	Bushy	Mixed	Border and Cut	May	September	May-June.
Thalictrum	3 ft.	Branchy	Mixed	Border and Cut	May	September	June-July.
Tritoma	2½ ft.	Erect	Red	Border and Cut	May	September	August.
*Tunica	10 in.	Creeping	Pink	Border and Rockery	May	September	June to September.
*Valeriana	2-3 ft.	Branchy	Mixed	Border	May	September	June.
Verbena	12 in.	Spreading	Mixed	Beds and Massing	May	September	June to October.
Veronica	1½ ft.	Erect	Mixed	Border and Rockery	May	September	June and July.
Viola Cornuta	6 in.	Tuft	Mixed	Rockwork	Spring; Fall	When 1" high	Spring and Summer
Violets	4 in.	Tuft	Blue	Shady Places	Fall	April	April-May.
Wahlenbergia	3 ft.	Bushy	Blue	Border and Rockery	May	September	June to September.
Wallflower	1½-2 ft.	Branchy	Mixed	Bedding and Cut	September	April	May.

TENDER PERENNIALS—Plants That Need Protection From Frost

Name	Height	Shape	Color	Best For	Sow Seed	Transplant	Bloom
Abutilon	2-3 ft.	Branchy	Mixed	House Plant	April-May	When 2" high	Continuously.
Asparagus	2-3 ft.	Branching	Ornamental	House Plant	May	When 2" high	
Begonia	8-15 in.	Bushy	Mixed	House Plant	March	When 1" high	Winter.
Bellis (Daisy)	6 in.	Tuft	Mixed	Shady Position	August-Sept.	April	May-June.
Calceolaria	1½ ft.	Bushy	Mixed	House Plant	June	When 1" high	Spring.
Canna	3-5 ft.	Erect	Mixed	Bedding	March	When 4" high	July to October.
Chrysanthemum	1½-2 ft.	Branchy	Mixed	Cut	February	When 4" high	October.
Cineraria	1 ft.	Bushy	Mixed	House Plant	July	When 2" high	Spring.
Coleus	1-3 ft.	Bushy	Mixed	Bedding and Pots	March to May	When 1" high	
Cuphea	1 ft.	Bushy	Russet-Orange	Bedding and Pots	March	When 2" high	Summer and Fall.
Cyperus	2 ft.	Bushy	Ornamental Foi.	House Plant	May	When 2" high	
Dahlia	1½-5 ft.	Branchy	Mixed	Bedding and Cut	April	When 4" high	July to October.
Dracaena	2 ft.	Erect	Ornamental Leaf	House Plant	May	When 4" high	
Feverfew	1-2 ft.	Bushy	White and Yellow	Bedding and Cut	April	When 2" high	June to August.
Fuchsia	1-4 ft.	Bushy	Mixed	House Plant	March	When 2" high	Winter.
Geranium	1-1½ ft.	Bushy	Mixed	Bedding and Pots	May	When 4" high	Summer.
Gerbera	2 ft.	Erect	Mixed	Cut	May	September	Spring.
Gloxinia	1 ft.	Bushy	Mixed	House Plant	April	When 1" high	Spring.
Grevillea	1-5 ft.	Branchy	Ornamental	House Plant	May	When 2" high	
Heliotrope	1½-2 ft.	Bushy	Blue	Bedding and Pots	Jan.-Feb.	When 2" high	Summer.
Impatiens	1½ ft.	Bushy	Mixed	Bedding and Pots	April	When 1" high	Winter and Spring.
Pansy	6 in.	Tuft	Mixed	Shady Places	Spring; Fall	When 1" high	Spring and Summer
Shamrock	6 in.	Spreading		House Plant	April	When 1" high	
Smilax	10 ft.	Climber	Ornamental	Greenhouse	November	When 2" high	
Solanum	1 ft.	Bushy	Red Berries	House Plant	May	When 2" high	
Thunbergia	3-4 ft.	Trailer	Mixed	Hanging Baskets	April	When 2" high	July-August.

BIENNIALS—Live Two Seasons

Name	Height	Shape	Color	Best For	Sow Seed	Transplant	Bloom
Adlumia	10 ft.	Climber	Flesh		Spring		June.
Campanula	2½-3 ft.	Erect	Mixed	Border	April	July	June.
*Cheiranthus	1 ft.	Bushy	Yellow	Border and Rockery	May	September	May.
Honesty	3-4 ft.	Branchy	White	Ornamental Pods	Spring	July	May.

Collection No. 4—Annuals for Rock Gardens

1 pkt. each: Alyssum, Cynoglossum, Dianthus, Nemesia, Petunia, Schizanthus, Verbena. 7 pkts. for 55c. postpaid.

Collection No. 6—Perennials for Rock Gardens

1 pkt. each: Achillea—The Pearl, Alyssum Saxatile, Arabis Alpina, Candytuft, Delphinium, Chinese blue, Dianthus Plumarius double, Linum perenne. Poppies—Iceland, Potentilla, Sedum mixed, Statice latifolia, Verbena Venosa. 12 pkts. for \$1.00, postpaid.

Collection No. 8—Garden Beautiful

1 pkt. each: Alyssum—Carpet of Snow, Antirrhinum—one-half dwarf mixed, Asters—Crego mixed, Calendula—Orange King, Clarkia—double mixed, Gaillardia—annual mixed, Larkspur—double mixed, Marigold—Orange Prince, Petunia—Rosy Morn, Phlox—large flowered mixed, Poppies—Shirley mixed, Salvia—Bonfire, Verbena mixed, Zinnia—mammoth double. 14 pkts. selected varieties for \$1.00. postpaid.

Collection No. 10—Selected Gladiolus

4 bulbs each: Anna Eberius—purple, Virginia—scarlet, Giant Nymph—light pink, Los Angeles—shrimp-pink, Mrs. Leon Douglas—rose, Schwaben—yellow. 24 large bulbs for 55c, postpaid.

Annual Flower Seed Suited For Rock Gardens

We mail all Flower Seeds POSTPAID to any Post Office in the United States.

Surround your house with flowers, the most refining and uplifting influence in the world. Nothing can add to the beauty of your home like a flower garden. Here you can spend many pleasant hours; it is an enjoyable task to plant them, watch them grow and pick them for ornaments.



When laying out a rock garden, it will help to study some natural rock formation. If a bank or terrace already existing is utilized, loosen it up with a pick axe and add more soil. Place the stones in position, but work the soil well around to prevent air spaces.

- Abronia umbellata.** Verbena-like rose colored flowers. Elegant trailing habit. 10 inches. Pkt., 15c.
- Ageratum, Blue Cap.** The flowers are much larger than those of Little Blue Star and of a deeper and richer blue. Ideal for edging and rockeries. Pkt., 10c.
- Alyssum. Miniature.** Dwarf and compact growth, very free flowering. 3 to 4 inches. Pkt., 15c.
- Carpet of Snow. Well adapted to borders. 4 inches. Pkt., 10c.
- Lilac Queen. Lilac shaded flowers. The plants are of dwarf, compact growth. 8 inches. Pkt., 10c.
- Anagallis, grandiflora Pimpernel.** A very pretty annual of low spreading growth. 8 inches high, brilliant flowers in an unusual range of colors. Mixed. Pkt., 10c.
- Cynoglossum, amabile.** Forming strong plants 18 to 24 inches high and producing through the Summer months sprays of intense blue Forget-Me-Not-like flowers. Pkt., 10c.
- Dianthus, Sweet Wivelsfield.** Good for borders, as a cut flower, and especially adapted for rock gardens. Pkt., 15c.
- Dimorphotheca** (African Golden Daisy). 1 foot. Daisy-like flowers of a glossy salmon-orange shade mixed with black central ring, a lovely color when flowers open in the sun. Mixed. Pkt., 10c.
- Eschscholtzia** (California Poppies). Beautiful and popular annuals, being of the easiest culture and giving great satisfaction. 1 ft.
- | | |
|----------------------------------|--------|
| | Pkt. |
| California. Bright yellow | \$0.10 |
| Carmine King. Carmine-rose | .10 |
| Purple Glow | .10 |
| Mixed | .05 |
- Ice Plant.** Handsome and curious plant for hanging baskets, rock work, vases and edgings. Spreading. Pkt., 10c.
- Leptosiphon, hybridus.** An easily grown annual, growing from 4 to 6 inches tall. It is suited for sunny places in borders. Pkt., 10c.

- Lobelia.** The annual Lobelias are plants of dwarf, compact growth. 4 to 6 inches in height.
- Crystal Palace Compacta. Large, and deep blue flowers and bronzy foliage; 4 inches. Pkt., 10c.
- Florists' Favorite Compacta. Brilliant dark blue with white eyes. Very dwarf. Pkt., 10c.
- Sapphire. Trailing Lobelias. This variety is of remarkable strong growth, the flowers show the wonderful deep blue of this gem. Pkt., 15c.
- Mesembryanthemum, tricolor.** A lovely little annual with daisy-like flowers of crimson, pink and white. 6 inches. Pkt., 15c.
- Nemesia, Dwarf Mixed.** A choice strain producing flowers in rich and varied shades of color; 8 inches. Pkt., 15c.
- Nierembergia, frutescens.** Flowers white, shading to and veined lavender. 1 foot. Pkt., 10c.
- Petunia, Dwarf Mixed.** Plants compact growing. A choice mixture of colors. Pkt., 10c.
- Sanvitalia, procumbens fl. pl.** Of dwarf, compact growth. Showy bright yellow, double flowers; in bloom all summer. 6 inches. Pkt., 10c.
- Schizanthus, Large-flowered mixed.** Forming compact pyramidal plants about 16 inches high. Covered with orchid-like flowers. Pkt., 10c.
- Verbena. Mammoth Grandiflora.**
- | | | |
|---------------------------------|---------|--------|
| | 1/4 oz. | Pkt. |
| Blue | \$0.50 | \$0.10 |
| Lucifer. Cardinal-red | .50 | .10 |
| Rosea Stellata. Rose-pink | .50 | .10 |
| Luminosa. Flame-pink | .50 | .10 |
| Golden Queen | .50 | .10 |
| White | .50 | .10 |
| Purple Mantle | .50 | .10 |
| Mixed | .50 | .10 |
| Anricula Flowered. Mixed | .40 | .10 |
- Wallflower.** The plants grow to a height of 1 1/2 to 2 1/2 feet, thickly covered with large double blossoms.
- Early Wonder Mixed. Will bloom in about 90 days from time of sowing. Pkt., 25c.

Perennial Flower Seed for Rockeries and Rock Gardens

Preparation for a rock garden must be made ahead, if Perennials are used. They do not bloom the first year from seeds. Seeds should be planted outdoors in the rock garden in the places they are to grow.

Achillea, The Pearl. Double white; flowers continuously all Summer; 2 feet. Pkt., 15c; ¼ oz., 40c.

Agrostemma (Rose Champion). Free flowering. Red. 2 ft. Pkt., 10c; ½ oz., 25c.

Alyssum saxatile. Perfect little bush with miniature flowers in great masses; bright yellow. 10 inches. Pkt., 10c; ½ oz., 35c.

Antirrhinum. Rock Hybrids; 8 inches. Mixed. Pkt., 15c.

Aquilegia (Long Spurred Hybrids; Mrs. Scott Elliott's strain). The colors range through shades of lavenders, blues, white, yellows, pinks, reds, all mixed; 30 inches. Pkt., 15c; ½ oz., 40c.

Aquilegia caerulea (Rocky Mountain Columbine). Violet-blue and white. 2 feet. Pkt., 15c; ½ oz., 35c.

Aquilegia, Silver Queen. 30 inches. Pure white; long spurred. Pkt., 15c.

Arabis alpina. Dwarf spring flowering; pure white; 6 inches. Pkt., 10c; ½ oz., 40c.

Armeria formosa. Deep pink; 1 ft. Pkt., 15c; ½ oz., 35c.

Aster alpinus. Blue and white. Mixed. 6-10 inches. Pkt., 15c.

Aubrietia. Large flowering hybrids; 6 inches. Pkt., 15c; ½ oz., 40c.

Auricula (Primula). Beautiful low growing plants. Mixed. 10 inches. Pkt., 15c.

Campanula carpatica. (Carpathian Hare Bell). Blue. Compact tufts not exceeding 8 inches; flowers clear blue. Pkt., 10c; ¼ oz., 25c.

Campanula carpatica alba. White. Pkt., 10c; ¼ oz., 25c.

Candytuft, gibraltarica. White shading to lilac. 8 inches. Pkt., 10c; ¼ oz., 25c.

Candytuft (Iberis sempervirens). White. 8 inches. Pkt., 15c; ¼ oz., 50c.

Carnation, Grenadin. Scarlet, white and pink. 1½ feet. Each, pkt., 20c; mixed, pkt., 15c.

Centaurea montana (Perennial Cornflower). Grows 1½ feet high. Large violet-blue flowers. May and June. Pkt., 10c; ½ oz., 25c.

Cerastium tomentosum. Dwarf, white leaved plant with white flowers; 6 inches. Pkt., 15c; ¼ oz., 35c.

Cheiranthus Allioni (Siberian Wallflower). Brilliant orange flowers. 1 foot. Pkt., 10c; ½ oz., 25c.

Crucianella stylosa. Early flowering; bright purple, ball-shaped flowers. 6 inches. Pkt., 10c; ¼ oz., 35c.

Delphinium, Chinese Blue. Bright blue flowers; 1½ feet. Pkt., 10c; ¼ oz., 30c.

Delphinium, Chinese White. Pkt., 10c; ¼ oz., 30c.

Dianthus, Allwoodi Mixed. The flowers are about 75 per cent double and appear in all colors. 4 to 6 inches. Pkt., 20c.

Caesius (Cheddar Pink). Sweet scented, rosy pink flowers in May and June; 4 inches. Pkt., 15c; ¼ oz., 40c.

Plumarius, Cyclops. Single, perpetual, various colors with blood-red eye. Pkt., 10c; ¼ oz., 35c.

Plumarius, Single Mixed. (Grass Pink, Scotch Pink, or Pheasant-eye Pink). Pkt., 5c; ½ oz., 25c.

DIANTHUS—Continued.

Plumarius, Double Mixed. Pkt., 10c; ¼ oz., 35c.

Deltoides (Maiden Pink). Dwarf, brilliant carmine; 6 inches. Pkt., 15c.

Latifolius atrococcineus fl. pl. Velvety crimson scarlet; double. 1 foot. Pkt., 10c; ¼ oz., 25c.

Forget-Me-Not (Myosotis palustris semperflorans). The everblooming blue Forget-Me-Not. 8 inches. Pkt., 15c; ½ oz., 35c.

Geum, Mrs. Bradshaw. Large, double, brilliant, orange-scarlet. 1½ feet. Pkt., 15c; ¼ oz., 50c.

Geum, Lady Stratheden. Double-flowering golden yellow. 1½ feet. Pkt., 15c; ½ oz., 35c.

Gypsophila repens. Mixed. Tiny rose and white flowers; 6 inches. Pkt., 10c; ½ oz., 40c.

Helianthemum mutabile (Rock or Sun Rose). A pretty plant with masses of flowers of various colors. 8 inches. Mixed. Pkt., 10c.

Heuchera sanguinea splendens. Bright coral-red. 12 inches. Pkt., 15c.

Linaria cymbalaria. Flowers are bright lilac with a yellow throat. 3 inches. Pkt., 15c.

Linum perenne (Flax). Bright blue flowers; 18 inches. Pkt., 10c; ½ oz., 30c.

Oenothera missouriensis. A prostrate growing variety, with bright yellow flowers; 3 feet. Pkt., 15c; ½ oz., 50c.

Platycodon grandiflorum. Blue; 36 inches; June to Sept. Large, showy, deep blue flowers. Pkt., 10c.

Polemonium coeruleum. Bell-shaped bluish purple flowers nearly 1 inch across; 1 to 2 feet. May to July. Pkt., 10c; ¼ oz., 30c.

Poppies, Iceland. Flowers the first year from spring sown seed; 1 foot. Mixed. Pkt. 10c; ¼ oz., 35c.

Potentilla. Charming plants, with brilliant double flowers, mostly in orange, red and crimson tones; 18 inches. Double mixed. Pkt., 10c.

Primula veris. Fragrant flowers of various colors mixed; 19 inches. Pkt., 10c.

Primula vulgaris (English Primrose). Canary yellow; very fragrant; 6 inches. Pkt., 15c.

Saponaria ocymoides. A splendid plant for the rockery; rose; 12 inches. Pkt., 10c.

Sedum, Mixed. One of the prettiest erect growing plants. Pkt., 25c.

Sedum spectabile. Erect growing mass of rose colored flower heads. Blooms September and October. Pkt., 25c.

Statice latifolia (Sea Lavender). 1½ feet; deep blue flowers. Pkt., 10c.

Tunica saxifraga. Light pink flowers; 10 inches. Pkt., 10c.

Verbena venosa. 1 foot. Covered with bright purple and heliotrope flowers. Pkt., 10c; ¼ oz., 30c.

Veronica, spicata (Speedwell) Blue. 1½ feet high, producing long spikes of bright blue flowers in June and July. Pkt., 15c.

Viola cornuta (Tufted Pansy). Choice assorted. colors; 6 inches.

	Pkt.	½ oz.
Jersey Gem	\$0.25	
Light Blue, Dark Blue,		
Yellow, White .....	.10	.35
Mixed .....	.10	.35

St. Louis Seed Co.'s Fine Flower Seeds

The Charm of Flowers Appeals to All—the Grossest Nature is Touched by Their Beauty

Probably no outdoor occupation gives so much pleasure as the cultivation of flowers from seed. Starting with the tiny inanimate-looking grains of seed, placing them carefully in suitable soil, intelligently watching the conditions of air and moisture while the seeds are hidden below the ground, sometimes making for them artificial surroundings necessary to their growth, watching the gradual unfolding

of the tiny seedling, and later the miraculous development of leaf, stem and branch, until finally the fully grown plant bursts into glorious flower; this is the pleasure awaiting one who grows flowers from seed.



Achillea, The Pearl.

ACHILLEA (Milfoil or Yarrow) (Perennial)

The Pearl. Branching plant bearing its pure white double flowers in great profusion all summer; Excellent for rock work and cut flowers for vases; 2 feet. Pkt., 15c; 1/8 oz., 40c.

ACONITUM (Monkshood, Wolfsbane) (Perennial)

Napellus Blue. Growing in any good garden soil; of slow germination, producing long spikes of curiously shaped blue flowers. Well adapted for planting among shrubbery or borders. 3 to 4 feet. July and August. Pkt., 10c; 1/4 oz., 40c.

ACROCLINIUM (Everlasting Flower) (Annual)

A pretty everlasting, bearing pretty bright rose and white flowers. July to October. 1 1/2 feet.

Double Mixed. Pkt., 10c; 1/2 oz., 30c.

ADLUMIA (Allegheny Vine) (Biennial)

Cirrrosa. A hardy biennial climber, blooming the first season; flesh colored flowers. June. 10 feet. Pkt., 10c; 1/4 oz., 35c.

ADONIS AESTIVALIS (Floss Adonis) (Annual)

Red flowers with light center. Of easy culture and showy. Fine cut foliage. Sow where plants are to remain. 1 foot. Summer. Pkt., 10c; 1/2 oz., 25c.

AGERATUM (Floss Flower) (Annual)

An excellent plant for edging or bedding. For early bloom sow indoors in March. Blooms summer.

Blue Cap. The flowers are much larger than those of Little Blue Star and of a deeper and richer blue. Ideal for edging, small beds, and rockeries. Pkt., 10c.



Ageratum, Blue Ball.

ABRONIA UMBELLATA (Annual)

Verbena-like rose colored flowers. Elegant trailing habit. 10 inches. Blooms in late summer. Fine for rockery. Pkt., 10c.

ABUTILON (Tender Perennial) (Flowering Maple)

Maximum Hybrids Mixed. Used extensively for pot culture; foliage is of maple form and often variegated; flowers bell-shaped; height 2 to 3 feet. Bloom six months from sowing the seeds. Pkt., 25c.



Sweet Alyssum.

ALYSSUM (Annual)

Very useful for rock work. Summer and fall.

Miniature. This variety is of exceedingly dwarf and compact growth, miniature white flowers. 3 to 4 inches. Pkt., 10c; 1/2 oz., 35c.

Carpet of Snow. We know of no other white flower which is so particularly well adapted to borders. 4 inches. Pkt., 10c; 1/2 oz., 35c.

Little Gem. Very dwarf and compact. 4 inches. Pkt., 10c; 1/2 oz., 35c.

Lilac Queen. A distinct variety with lilac shaded flowers. 8 inches. Pkt., 10c; 1/2 oz., 35c.

Maritimum (Sweet). Of trailing habit; flowers white. 9 inches. Pkt., 5c; 1/2 oz., 20c.

Saxatile (Perennial). A grand variety of exquisite coloring, a golden yellow. Grows about 10 inches high; May; excellent for Rock Gardens. Pkt., 10c; 1/2 oz., 35c.

AMARANTHUS (Annual)

Beautiful colored foliage plants; succeeds best in sunny, dry locations.

Tricolor (Joseph's Coat). Useful in borders of tall plants or for the center of large beds; 2 1/2 feet. Pkt., 10c; 1/2 oz., 25c.

Sunrise. Foliage bronzy crimson, tipped carmine. 3 feet. Pkt., 15c; 1/4 oz., 50c.

Choice Mixed. Pkt., 5c; 1/2 oz., 15c.

AMPELOPSIS (Boston or Japan Ivy) (Perennial)

Veitchi. Clings to walls of wood, stone or brick. 20 feet. Pkt., 10c; 1/2 oz., 25c.

Blue Ball. Compact bushes with a profusion of small ball-shaped pure blue flowers. Excellent for borders; 6 inches. Pkt., 10c; 1/4 oz., 25c.

Imperial Dwarf Blue. Clear blue; compact growing plant; height 9 inches. Pkt., 10c; 1/4 oz., 25c.

Imperial Dwarf White. Pkt., 10c; 1/4 oz., 25c.

Little Blue Star. Plants densely covered with bright blue flowers; height 5 inches. Pkt., 10c; 1/4 oz., 40c.

Mixed. Blue and white; 12 in. Pkt., 5c; 1/2 oz., 25c.

AGROSTEMMA CORONARIA (Perennial) (Rose Campion)

Exceedingly handsome and free-flowering; excellent for Rock Garden and cutting. Will bloom the first year if sown early. Blood red. June and July. 2 feet. Pkt., 10c; 1/2 oz., 25c.



Agrostemma.



Anchusa Italica.

ANAGALLIS (Annual)

Grandiflora Mixed. 8 inch. Lovely dwarf spreading plants, exceedingly effective as edgings, also charming on rockwork and in pots. July and August. Pkt., 10c; ¼ oz., 25c.

ANCHUSA (Dropmore Variety) (Perennial)

Italica. One of the finest hardy plants, remarkable for its free and continuous flowering and the beautiful gentian-blue color; grows about five feet high. Partial shade. May and June. Pkt., 10c; ¼ oz., 30c.

ANEMONE (Windflower) (Perennial)

Few plants compare with them in beauty; fine for bouquets. Sow outdoors in Spring, keeping shaded till the plants appear. August-October. 2 ft.

Japonica. Mixed colors. Pkt., 15c.

ANTHEMIS (Hardy Marguerite) (Perennial)

Tinctoria. 2 feet. Bright yellow shading to white; excellent for cutting. June and August. Pkt., 10c; ¼ oz., 30c.



Anemone.

Antirrhinum

Half-Hardy Perennial Treated as an Annual.

Seed sown out-of-doors the first week of May will bloom early in July, remaining in full flower until November. For earlier flowering they may be started indoors or in a frame in March, transplanting them to the open when the weather is suitable.

ANTIRRHINUM MAXIMUM

This is a wonderful new group of Antirrhinums. The flowers are of magnificent size; closely placed on the spike. 3 feet.

	¼ oz.	Pkt.
Copper King. Velvety copper scarlet...	\$0.40	\$0.15
Golden Queen. Deep yellow .....	.40	.15
Purple King. Deep glowing purple ....	.40	.15
Snowflake. Pure white, yellow tube ...	.40	.15
The Rose. Rose-pink .....	.40	.15
Mixed .....	.40	.15

Large Flowering Half Dwarf (18 inches)

	¼ Oz.	Pkt.
Nelrose. Brilliant rose	\$0.35	\$0.10
Empress. Rich velvety crimson .....	.35	.10
Fawn. Terra-cotta-pink, suffused yellow	.35	.10
Golden Queen. Clear yellow .....	.35	.10
Defiance. Orange-scarlet .....	.35	.10
The Bride. Pure white .....	.35	.10
Silver Pink. Pearly pink self .....	.35	.10
Mixed. Varieties .....	.35	.10

Tall, Giant-Flowering Varieties

The varieties offered below are the best and most improved of the largest-flowering sorts. 2½ to 3 feet.

	¼ Oz.	Pkt.
Fire King. Orange-scarlet, white tube...	\$0.30	\$0.10
Golden King. Giant yellow .....	.30	.10
Autumn Glow. Old rose, strongly shaded terra cotta .....	..	.10
Rose Queen. Soft rose .....	.30	.10
Rose King. Deep rose .....	.30	.10
Crimson King .....	.30	.10
Queen Victoria. White .....	.30	.10
Venus. Delicate pink .....	.30	.10
Mixed. Large flowering .....	.20	.05

Tom Thumb or Dwarf

Mixed. The plants grow about 8 inches high and are covered with fine stocky flower-spikes, including a wide range of colors. Pkt., 10c.

Rock Hybrids

It forms small compact bushes with variously colored flowers, shades of rose, pink, purple, mauve and bicolors being produced in great profusion. It blooms a week earlier than the average Snapdragon and is eminently suitable for the decoration of rock and Alpine gardens. 8 inches. Pkt., 15c.

Antirrhinum Finest Double Mixed. Pkt., 15c.



Antirrhinum Maximum.



Long Spurred Aquilegia.

AQUILEGIA (Columbine) (Perennial)

A most desirable border plant. Blooms early in spring, long and abundantly, is useful for cutting. Sow in the fall or spring. 2 to 3 feet.

Long Spurred Hybrids (Mrs. Scott Elliott Strain). Wonderful colors and color combinations, with very long spurred flowers. Colors range through shades of lavenders, mauve, blues, purples, white, creams, yellows, pinks, reds, etc. All colors mixed. 30 inches. Pkt., 15c; 1/8 oz., 40c.

Imperial Long Spurred Hybrids. We offer an unusually choice strain of these lovely hybrids, ranging in color tones from creamy white and yellow to bronze red and blue shades. Pkt., 15c.

Silver Queen. Improved long-spurred white. 30 inches. Pkt., 15c.

Chrysantha (Golden Columbine). Blooming later than the long-spurred hybrids. Late June and July and attains a height of 2 1/2 to 3 feet. Pkt., 10c.



Armeria Formosa.

	Pkt.
California Hybrids. Exquisite flowers	\$0.15
Coerulea. Splendid light blue and white .....	.15
Double. All colors mixed—1/2 oz., 30c .....	.05
Single. All colors mixed—1/2 oz., 25c .....	.05

ARABIS (Rock Cress) (Perennial)

Alpina. Unequalled for rockeries and one of the earliest and prettiest Spring flowers. The spreading tufts are covered with a sheet of pure white flowers. 6 inches. Pkt., 10c; 1/4 oz., 25c.

ARCTOTIS GRANDIS (Annual)

Blue-Eyed, or African Daisy. White and lilac. The large daisy-like blooms of this fine, hardy annual are excellent for cutting. 2 feet. Pkt., 10c; 1/4 oz., 20c.

ARGEMONE (The Prickly Poppy) (Annual)

Hybrida Grandiflora. The plants grow 2 1/2 to 3 feet tall. They are of branching habit and bear a profusion of single poppy-like blooms from July until frost. Sow where to bloom. Pkt., 10c; 1/2 oz., 35c.

ARMERIA (Sea Pink or Thrift) (Perennial)

Formosa. Dwarf compact plants with grass-like foliage and large clover-like flower-heads. The blooms are bright rose, carried on stems 12 inches long. Plant in a rich, moderately moist, sunny location. June. Pkt., 15c; 1/4 oz., 35c.

ASCLEPIAS (Butterfly Weed) (Perennial)

To this genus belong many species, most of them not worth while for the flower garden. Some may be used in the wild garden, but there are more worth while plants even for that. Tuberosa is the only one considered.

Tuberosa. Attractive plants, flowering during July and August, and growing about 2 feet high. Produces umbels of bright orange colored flowers which are lovely to cut and last a long time. Pkt., 15c.

ASPARAGUS (Tender Perennial)

The ornamental varieties of Asparagus are highly valued for their feathery sprays of foliage. Seeds start slowly and should be soaked in warm water before planting. 2 to 3 feet.

Plumosus Nanus (Lace Fern). The bright green sprays surpass the Maidenhair Fern. Pkt., 10c.

Sprengeri (Emerald Feather). A very elegant foliage plant for hanging baskets. Pkt., 10c.

Asters

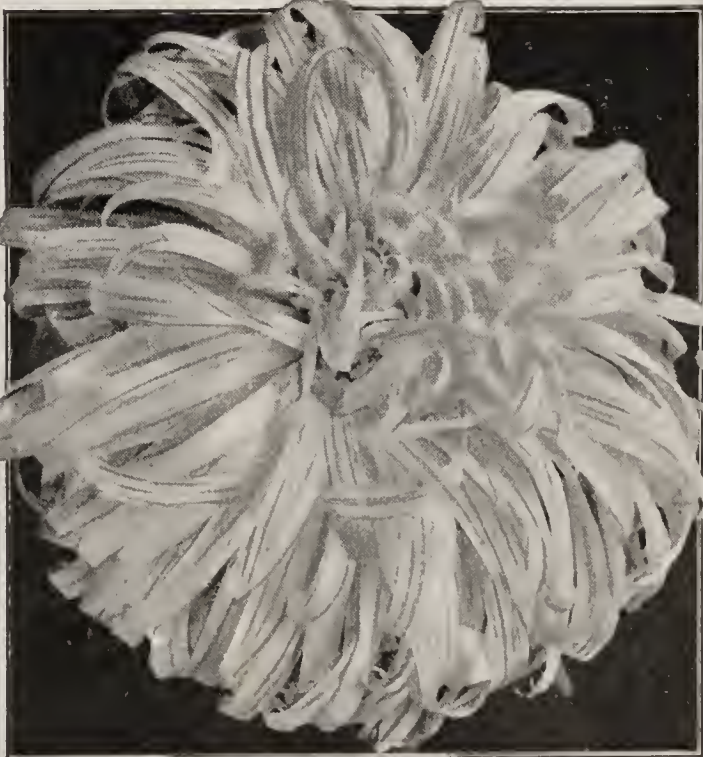
Choicest Varieties for Summer Flowering.

Asters will thrive in any good soil, prepared in the same way as you would for a crop of vegetables. For early flowering, seeds should be started in a sunny window, hotbed or cold frame in April and transferred to their place in the garden as soon as danger of frost has gone by. For August (mid-season) and September (late) sow seeds outside in finely prepared ground in May, thinning out to 1 foot in the rows and 2 feet between.

American Branching Wilt Resistant

The so-called wilt disease of Asters is caused by a specific parasitic fungus, which may attack the plant at any stage in its growth from the seedling to the seed-producing age. The spores of the fungus may be carried on Aster seed and on inert matter with the seed, on the implements used in preparing the soil, and in the soil itself.

We wish to call your attention to the fact that these Asters should be sold as wilt resistant, and not as disease resistant. So far there is no known method of combatting the Yellows disease, except



California Giant Aster.

ASTERS—Continued.

by growing the plants in an enclosed space, thereby keeping the leaf hoppers which carry the yellows virus from reaching the plants.

	Pkt.		Pkt.
Azure Blue	\$0.15	Shell Pink	\$0.15
Crimson .....	.15	White .....	.15
Deep Rose .....	.15	Mixed, ¼ oz., 50c .	.15
Purple .....	.15		

California Giant Asters

They measure 4 to 6 inches in diameter. Their immense size and beauty, as well as their long and sturdy stems make them very attractive. 3 feet.

	Pkt.		Pkt.
Dark Purple	\$0.15	Peach Blossom ..	\$0.15
Deep Rose .....	.15	White .....	.15
Light Blue .....	.15	Mixed, ¼ oz., 50c .	.15

California Improved Sunshine

A beautiful new type of Aster, forming well-branched bushes carrying a profusion of excellent long-stemmed flowers. The outer petals are long and narrow, whereas toward the center the petals are tubular, with a 4-pointed star at the end. 2 ½ feet. Pkt., 15c.

China Asters

Single Mixed. Within late years the single Asters have gained in favor with the flower lovers. Our mixture contains all the leading colors. 2 feet. Pkt., 10c; ¼ oz., 25c.



California Improved Sunshine.

Improved Giant Crego Asters

In the garden Crego's Giant Asters are valuable because they form a well-rounded, compact plant about 2 feet tall. They are classed as a mid-season type, filling in the season between the early and late Asters.

	¼ Oz.	Pkt.
Crimson	\$0.35	\$0.10
White .....	.35	.10
Shell Pink .....	.35	.10
Lavender .....	.35	.10
Purple, Bright .....	.35	.10
Rosc. Rich deep rose .....	.35	.10
Mixed .....	.35	.10

Dwarf Chrysanthemum-Flowered Asters

Bushy plants, bearing large perfectly double flowers, fine for either gardens or pot culture. 12 inches. Finest mixed colors. Pkt., 5c; ¼ oz., 20c.

Early Wonder Aster

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of the "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length. Mixed. Pkt., 10c; ¼ oz., 40c.

Aster Giant Peony-Flowered

A selection of Asters suitable for florists and home gardens. 2 feet. Mixed. Pkt., 20c; ¼ oz., 60c.

Early American Beauty Aster

This variety is similar in type of flower and growth to the well-known Late Branching Asters. The flowers are fully double to the last. Each plant forms a perfect bush. 2 to 2 ½ feet. Mixed. Pkt., 15c; ¼ oz., 50c.

"Queen of the Market" Aster

It will bloom 2 weeks earlier than any other sort in our list and remain in good condition until the later varieties begin to flower. Very satisfactory for cutting. 18 inches.

	½ Oz.	Pkt.
White	\$0.50	\$0.10
Lavender .....	.50	.10
Crimson .....	.50	.10
Blush Pink .....	.50	.10
Purple .....	.50	.10
Rose .....	.50	.10
Mixed .....	.40	.05

St. L. S. Co.'s Novelty Mixed Asters

The plants form strong, branching bushes, 2 to 3 feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers. Pkt., 15c.

Hardy Perennial Aster

Mixed, Michaelmas Daisies. Single fall-flowering hardy herbaceous plants, thriving in any good garden soil. If sown early they will flower the first season; 4 feet. Pkt., 15c.

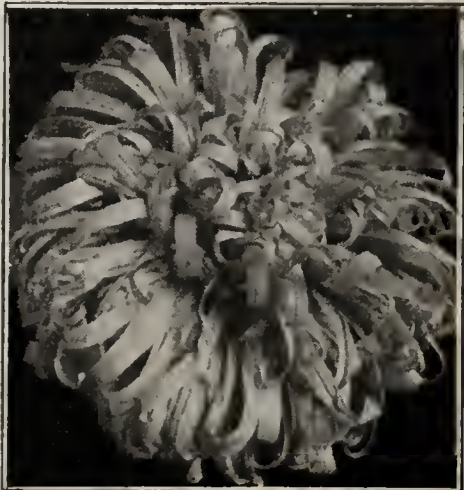
Alpinus. Indispensable for the rockery or edge of hardy borders; grows 6 to 10 inches high and bears large showy bluish purple flowers in May and June. Mixed. Pkt., 15c.



American Beauty Aster.



Queen of the Market Aster.



Giant Crego Aster.



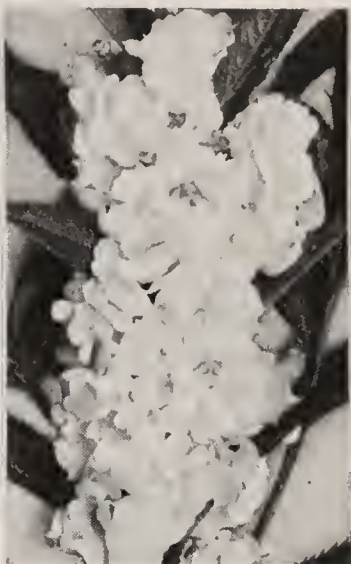
Aubrietia.

AUBRIETIA (Rainbow Rock Cress)
Large-Flowering Hybrids. A beautiful dwarf rock plant, covered with sheets of bright flowers in April and May. 6 inches. Pkt., 15c; 1/8 oz., 35c.

AURICULA (Primula Auricula) (Perennial)
Mixed. Beautiful low growing, early spring flowering plants; fine for borders, pot culture, etc.; sow seed outside in fall. 10 inches. May. Pkt., 15c.

BALLOON VINE (Love-in-a-Puff) (Annual)
A rapid-growing climber; succeeds best in light soil and warm situation; flowers white. 5 to 10 feet. Pkt., 5c; 1/2 oz., 15c.

BALSAM APPLE (Mormordica) (Annual)
A very ornamental and quick-growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. When ripe it opens and shows the seeds and brilliant carmine interior. 10 feet. Pkt., 10c; oz., 30c.



Balsam.

BALSAM (Lady Slipper) (Annual)
Camellia-Flowered Double. An old favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion. 2 feet.

	1/2 Oz.	Pkt.
White	\$0.30	\$0.10
Light Pink	.30	.10
Scarlet	.30	.10
Salmon-Rose	.30	.10
Mixed	.30	.10
Rose Flowering, Double Mixed.	Oz., 35c; pkt., 5c.	

BAPTISIA (False Indigo) (Perennial)
Australis. A strong growing border plant 3 1/2 feet high; dark green, deeply cut foliage and spikes of dark blue, pea-shaped flowers in May and June. Pkt., 15c.

BARTONIA (Annual)*
Aurea. The handsome single chalice-shaped flowers, their throats decorated with bristling stamens, are golden yellow. The gray thistle-like foliage glistens in the sunshine. They do not stand transplanting and do best in full sun out of the wind, preferably in a dry spot even in poor soil. July and August. 1 1/2 feet. Pkt., 10c; 1/2 oz., 25c.

BEAN, SCARLET RUNNER
A great favorite in Europe, not only as an ornamental climber, but for the delicious edible beans. Pkt., 10c; 1/4 lb., 20c; 1 lb., 50c.

BEGONIA (Tender Perennial)
A beautiful flower of various colors. Blooms in constant profusion from early summer until late fall, and an excellent plant for winter blooming. Should be started either indoors or in a hotbed.
Prima Donna. Light rose. 10 inches. Pkt., 15c.
Luminosa. Fiery dark scarlet. 10 inches. Pkt., 15c.
Fine Mixed. Similar to above, mixed. Pkt., 10c.

BELLIS-PERENNIS OR DOUBLE DAISY (Tender Perennial)
Sow in fall or spring 4 to 6 inches apart. Cover lightly during winter.
Admirably adapted for edgings, borders and low beds, also well suited for growing in pots. Prefer shady location. 6 inches. Spring flowering. Pkt.
Double Red \$0.15
Double Pink15
Double White15
Double Mixed Colors15

BOCCONIA (Plume Poppy) (Perennial)
Cordata. A splendid, hardy perennial, with glaucous green foliage, and bearing freely, spikes 2 to 3 feet long of creamy white flowers. 6 to 7 feet. July. Pkt., 10c; 1/2 oz., 30c.

BOLTONIA (Perennial)
Latisquama. A sturdy, tall-growing perennial, 3 to 4 feet high, bearing a profusion of daisy-like, pinkish lavender blooms during September and October. An excellent cut flower and very drought resistant. Pkt., 15c; 1/4 oz., 50c.



Baptisia Australis.



Bellis Perennis.



Bocconia Cordata.

BRACHYCOME (Annual)**(Swan River Daisy)**

Iberidifolia. Mixed. Delightful blue and white flowers resembling Cinerarias, borne on slender stems, with graceful foliage. Plants are profuse bloomers. Very useful for edging and bedding. 12 inches. Summer. Pkt., 10c; ½ oz., 35c.

BROWALLIA (Annual).

Speciosa major. A beautiful large-flowering variety of the most brilliant ultramarine blue, a rare color; does finely outside in the border, or in hanging-baskets or vases, but is especially valuable as a pot plant for winter and early spring flowering. 1 ft. Pkt., 25c.

CALANDRINIA (Annual)

Flowers deep rose to crimson, saucer shaped or Portulaca-like on stems 12 in. high. Blooms from June until frost. Leaves long, fleshy, light green, marked lightly with red. Plants bushy. Plant in full sun. Good for rock gardens or dry borders. **Grandiflora Rose.** Pkt., 10c.

CACALIA (Tassel Flower) (Annual)

A pretty free-blooming plant with red tassel-shaped flowers, also called Devil's Paint Brush. 18 inches. June to September. Pkt., 10c; ½ oz., 25c.

CALCEOLARIA (Tender Perennial)

This universally admired species bears bizarre pouch-shaped flowers in great profusion. They are beautifully varied in their coloring and marking with rich maroon or brown. The strain we offer is only suitable for greenhouse or indoor culture except where the climate is very mild. 18 inches. **Mixed.** Pkt., 25c.

Multiflora nana, Mixed. The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. The yellow shades, lemon, gold, orange, are adorned with fine brown spots; the brown, orange, copper, copper-brown, copper-scarlet, crimson, scarlet, are very striking. Pkt., 25c.

CALLIOPSIS (Annual)

One of the most showy flowers, very easily grown; will thrive almost anywhere without trouble or care. Sow where they are to bloom. June to September.



Calceolaria.

CALENDULA (Annual)

Calendulas besides being popular for open air culture are of great merit for forcing by florists who appreciate their value for winter use. Flowers borne on long stiff stems. 1½ feet.

Radio. The true Radio form is a medium-sized orange flower with quilled or comet petals, curled and twisted. Pkt., 10c.

Chrysantha (New). This variety originated in Australia and was first introduced in England. Awarded all American gold medal in 1933. The flowers are 3½ to 4 in. across. Color a fine buttercup-yellow with stems 30 in. long. Excellent for cut flowers. Pkt., 25c.

Campfire. The color of the petals is brilliant orange. Pkt., 10c.

Lemon Queen. Pleasing rich lemon-yellow. Pkt., 10c; ½ oz., 35c.

Orange King. 18 inches. Color glowing orange. Pkt., 10c; ½ oz., 35c.

Mixed, All Colors. For woodlands and borders. Pkt., 5c; ½ oz., 20c.



Calendula, Orange King.

Crimson King. A fine dwarf sort, 12 inches high; color, rich velvety crimson-garnet. Pkt., 10c; ½ oz., 25c.

Golden Ray. Dwarf, compact plants, not over 9 inches high, covered with flowers of rich maroon edged with golden yellow. Pkt., 10c; ½ oz., 25c.

Dwarf Superb Hybrids Mixed. The colors are richer and more varied. 12 inches. Pkt., 10c; ½ oz., 25c.

Tall Mixed. Valuable for mixed beds and borders. About 2 to 3 feet. Pkt., 5c; oz., 25c.



Calliopsis.



Candytuft, Giant Hyacinth-Flowered.

CANARY BIRD VINE (Annual)

A beautiful rapid annual climber, the charming little canary-colored blossoms bearing a fancied resemblance to a bird with its wings half expanded. 10 feet. Pkt., 10c; oz., 25c.

CAMPANULA (Biennial)

The seeds should be sown by mid-April, in finely prepared, rich soil and if the weather is dry, they should be given a thorough watering late every afternoon. By the 15th of July the little plants should be transplanted to the places where they are to bloom the following summer. June. Excellent for background and border.

MEDIUM CALYCANTHEMA (Cup-and-Saucer)
2½ feet.

This is unquestionably the finest type of this old-fashioned and much-prized garden plant.

	Pkt.		Pkt.
Dark Blue	\$0.10	Rose	\$0.10
Light Blue .....	.10	White .....	.10
Mixed, ¼ oz., 40c; pkt., 10c.			

SINGLE CANTERBURY BELLS (Campanula Medium)

Showy, hardy biennial, growing about 3 feet high with large bell-shaped flowers. Protect during winter.

	Pkt.		Pkt.
Single Blue	\$0.10	Single White	\$0.10
Single Rose .....	.10	Single Mixed .....	.10

CANTERBURY BELLS (Annual)

The plant grows about 2 feet high, each plant having from 6 to 8 spikes of blooms. We offer this in a mixture of blue, pink, rose and white. It will bloom 4 months after sowing seed. Excellent bedding plant. Pkt., 15c.

CAMPANULA (Perennial)

Carpatica, Blue (Carpathian Harebell). Color clear blue; grows 8 inches high; especially good for edging and rock garden. June to August. Pkt., 10c; ¼ oz., 25c.

Carpatica, White. The white-flowered form of the above. Pkt., 10c; ¼ oz., 25c.

Pyramidalis (Chimney Bellflower). Perfect pyramids 4 to 5 feet high, with large bell-shaped flowers, blue and white mixed. Pkt., 15c; ⅛ oz., 25c.

CANDYTUFT (Iberis) (Annual)

If sown in spring in rich, mellow soil the plants will usually bloom from July to September or if in the fall will be likely to blossom from the last of May to July.

Giant Hyacinth-flowered. White. As a result of extra care and painstaking selection this is now the finest of all flowers. 1 foot. Pkt., 10c; ½ oz., 25c.

CANDYTUFT (Umbellata)

They bloom in about 8 weeks from the time of sowing, and in order to keep up a succession of bloom, two sowings should be made at intervals of about 2 weeks.

	½ oz.	Pkt.		½ oz.	Pkt.
Carmine ...	\$0.25	\$0.10	Rose		
Crimson ...	.25	.10	Cardinal	\$0.25	\$0.10
Lavender ..	.25	.10	White .....	.25	.10
Flesh Pink .	.25	.10	Mixed .....	.15	.05

CANDYTUFT (Perennial)

Gibraltarica. White flowers, shading to lilac. May and June. 8 inches. Pkt., 10c; ¼ oz., 35c.

Sempervirens. White blooming, early in spring; much used for cemeteries, rockeries, etc. April and May. 8 inches. Pkt., 15c; ¼ oz., 50c.

CANNA (Tender Perennial)

Cannas are famous for their luxuriant growth and immense flowers of most brilliant colors; their profusion and continuity of bloom under all climes and conditions render them easily the most useful, showy and universally popular bedding plants grown. Soak seed in warm water. 3 to 5 feet. Mixed, Pkt., 10c; oz., 35c.

CARDINAL CLIMBER (Annual)

It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like lacinated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from mid-summer till frost. The flowers are borne in clusters. Seed should be soaked in water before planting. Pkt., 10c; ½ oz., 35c.



Campanula.



Celosia—Cockscomb.

CARNATION (Annual)

Sow from May to September, wintering in cold frame and plant in open as soon as ground can be worked. Blooms in May and June. Will survive an ordinary winter.

Chabaud's Giant. Blooms in six months after being sown and continues to bloom throughout the summer; flowers of fine substance. 12 to 15 inches. ¼ oz. Pkt. ¼ oz. Pkt.
Dark Red ..\$0.50 \$0.15 Yellow\$0.50 \$0.15
Deep Rose . .50 .15 Finest Mixed .35 .10
White50 .15
Marguerite Mixed. Pkt., 5c; ½ oz., 35c.

CARNATION (Grenadin) (Perennial)

This is a very fine strain, particularly adapted for garden planting. Seed sown in the spring will produce large and thrifty tufts that will stand out over winter and bloom throughout the following spring. 1 ½ feet.

	1/8 oz. Pkt.		1/8 oz. Pkt.
Double		Double Triumph	
Scarlet ..	\$0.40 \$0.20	Pink	\$0.40 \$0.20
Double		Double	
White ...	.40 .20	Mixed ...	.30 .15



Carnation, Chabaud's Giant.

CELOSIA (Coxcomb) (Annual)

Beautiful plumes of brilliant colors. Fine for vases, and of splendid foliage. Seed may be sown outdoors as early in spring as ground is warm.

Thompson's Magnifica. All colors mixed; 2 feet. Pkt., 10c; ½ oz., 30c.
Lilliput Fiery Feather. New, bright fiery scarlet, first-class pot- and bedding-plant. 1 foot. Pkt., 15c.
Lilliput Golden Feather. Dark golden. 1 foot. Pkt., 15c.

CELOSIA, DWARF COXCOMB

1 to 1 ½ feet.

Glasgow Prize. The best dwarf crimson sort, with handsome dark foliage. Combs very large and solid. Pkt., 10c; ¼ oz., 50c.
Golden Queen. Dwarf golden. Pkt., 10c; ¼ oz., 30c.
Dwarf Mixed. Pkt., 10c; ¼ oz., 35c.
Celosia Childsi. See Woolflower on Page 80.



Centaurea, Bachelor's Button.

CENTAUREA (Annual)

(Cornflower, or Bachelor's Button)

Sow in open ground as soon as the weather is warm and settled. Cover seed about one-fourth inch deep; thin to 6 or 8 inches apart. Fine for cut flowers, bedding or borders. 3 feet.

	Pkt. 1/2 Oz.		Pkt. 1/2 Oz.
Double White .10c	20c	Double	
Double Blue ..10c	20c	Maroon ..	10c 20c
Double Rose ..10c	20c	Double Ruby .10c	20c
Double Mauve.10c	20c	Double Mixed 5c	15c

CENTAUREA IMPERIALIS (Annual)

(Royal Giant Sultans)

This class produces large, very double, finely lacinated flowers of graceful form and delightfully fragrant. They are very desirable for cut flowers and will often last for over a week when placed in water. Plants are from 2 ½ to 3 feet in height.

	Pkt.		Pkt.
Lavender	\$0.10	Rose	\$0.10
Purple .....	.10	Red .....	.10
White .....	.10	Mixed, ½ oz.,	40c. .10

VARIOUS CENTAUREAS

Suaveolens (Yellow Sweet Sultan). Showy, bright yellow, fragrant blossoms. Annual. Pkt., 10c; ½ oz., 35c.
Americana. By far the largest flowering of all the annual Centaureas. The plants grow 3 feet tall and produce during July and August blooms composed of many delicate petals of a bright lilac-blue shade. Plant in a sunny spot which is well drained. Pkt., 10c; ½ oz., 35c.
Montana (Hardy Cornflower). Violet-blue; 18 inches. May and June. Pkt., 10c; ½ oz., 25c.

CENTAUREA, ORNAMENTAL LEAVED

(Dusty Miller) (Half Hardy)

Candidissima. For bedding, hanging baskets and pots and for edging of beds where white foliage is desired. Silvery white, finely cut leaves. 15 inches. Pkt., 10c; ¼ oz., 50c.
Gymnocarpa. Leaves not so white as the above. 1 ½ feet. Pkt., 10c; ½ oz., 25c.



Cineraria, Giant Prize.



Clarkia Elegans.

CINERARIA (Tender Perennial)

Magnificent flowering plants for spring decorations for the conservatory or window garden. The flowers measure 2 to 3 inches across; various colors.

Giant Prize. Semi-dwarf, Extra, 1 ft. Pkt., 20c.

Multiflora nana, Potsdam. This is an extra fine dwarf select mixed variety, nothing better; 10 inches. Pkt., 25c.

CLARKIA ELEGANS (Annual)

A pretty and easily grown annual; they do well either in sun or shade, growing 2 to 2 1/2 feet high, with leafy racemes of double flowers, which all open in water when cut.

	1/2 oz.	Pkt.
Double White	\$0.35	\$0.10
Double Scarlet Queen	.35	.10
Double Salmon Pink	.35	.10
Double Orange Scarlet	.35	.10
Double Mixed	.35	.10

CLEOME (Giant Spider Plant) (Annual)

Large spikes of rosy carmine flowers. Large bushy plants; 3 to 4 feet high. Fine for background.

Gigantea. The finest strain. Pkt., 10c; 1/2 oz., 35c.

CLIMBERS (Rapid Mixture) (Annual)

A mixture of beautiful coloring and markings beyond description. Mixed climbers. Pkt., 10c; oz., 25c.

CERASTIUM (Snow-in-Summer) (Perennial)

Tomentosum. Dwarf plant for edgings and rockeries; silvery foliage and white flowers. 6 inches. May and June. Pkt., 15c; 1/4 oz., 40c.

CHELONE (Perennial)

Barbata Hybrids. Grows about 3 feet high, with flowers varying from pink to cherry-red. Useful for border and cutting. June-July. Pkt., 10c.

CHEIRANTHUS (Biennial)
(Siberian Wallflower)

Allioni. This unusual little plant deserves a place in your rock garden or low border. The upright spikes bear numerous cruciform flowers of a dazzling rich orange. Though a hardy biennial, it flowers the first season from seed when sown early. May. 1 foot. Pkt., 10c; 1/2 oz., 25c.

CHRYSANTHEMUMS (Annual)

There are many people who do not realize how easily Chrysanthemums may be grown from seed.

Bridal Robe. 10 inches in height; the sturdy plants throw out their finely feathered foliage from the base and deck themselves with a mantle of double pure white flowers. Pkt., 15c.



Single Chrysanthemums.

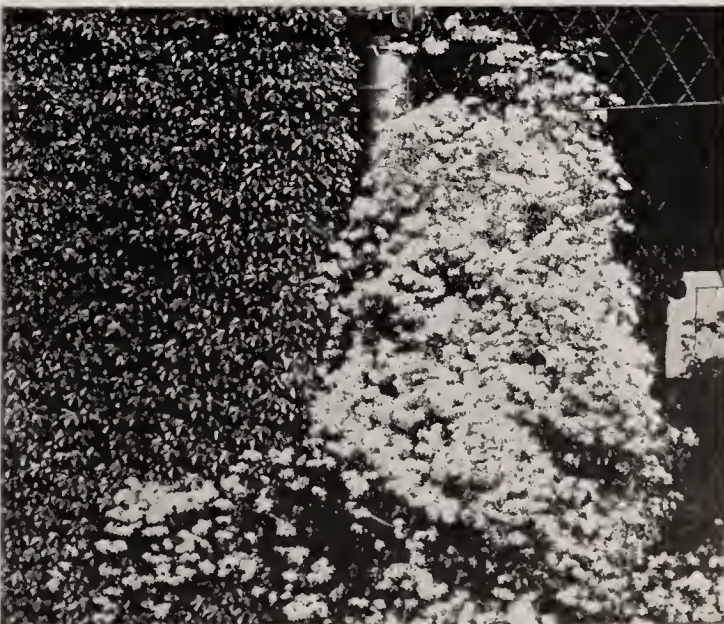
Carinatum. Owing to its magnificent golden yellow, white and red shades, it is fast becoming a florist favorite; 20 inches. Double mixed. Pkt., 10c.

Double Early Flowering. Mixed. A perennial variety, which can also be treated as an annual, blooming the first year from seed if sown early. 1 1/2 to 2 feet. Pkt., 25c.

CHRYSANTHEMUM (Single Varieties)

Exquisitely colored daisy-like flowers with finely cut foliage. The following single sorts are of easy culture and splendid for cutting. 1 to 1 1/2 feet.

	Pkt.
Evening Star. Rich golden yellow	10c
Morning Star. Canary yellow	10c
Northern Star. Giant white, yellow eye	10c
Single Mixed. 1/2 oz.,	25c. 5c



Clematis Paniculata.

CLEMATIS (Perennial)

Hybrids (Mixed). The best known and most valued climbing variety. June. Pkt., 25c.

Paniculata (Climbing). 15 feet. Fall-flowering vine with white flowers. Hardy. Pkt., 10c; 1/2 oz., 35c.

COBAEA (Cup and Saucer Vine) (Annual)

A rapid growing climber with handsome dark green foliage, bearing on graceful stems, large bell-shaped flowers, green at first but rapidly changing to a beautiful deep violet-blue. A wire netting trellis or support for the many green tendrils to fasten upon is preferable to cords or smooth wire. 20 ft.

Scandens, Blue. Large, bell-shaped flowers. Pkt., 10c; ¼ oz., 25c.

Scandens, White. Pkt., 10c; ¼ oz., 30c.

COLEUS (Tender Perennial)

These are magnificent ornamental foliage plants. The large rich velvety leaves are of many shades and superb combinations of green, red and yellow. 1 to 3 feet.

Fine Mixed. Popular bedding plants; easily grown from seed if kept in a warm temperature. Pkt., 20c; ½ oz., 50c.

COREOPSIS (Perennial)

Lanceolata grandiflora. One of the finest hardy garden plants grown. 2 to 3 feet high. Valuable for cutting. June, July. Pkt., 10c; ½ oz., 25c.

Lanceolata grandiflora fl. pl. (Double Flowering Coreopsis). Similar in habit to the above flowers; double and semi-double. Pkt., 15c; ¼ oz., 25c.

Mayfield Giant. It produces a taller and more vigorous plant than the ordinary type, with longer and firmer stems and larger individual blooms. The color is the same familiar yellow. Pkt., 10c.

CORN, RAINBOW (Ornamental) (Annual)

Zea japonica. A stately plant growing 5 to 6 feet tall, with broad and long leaves which are superbly striped with red, rose, yellow, white and bronze. Plant the seeds early in the spring. Excellent for background planting and for hiding unsightly corners. Pkt., 10c; oz., 25c.

COSMOS (Annual)

This beautiful annual is one of the most showy and useful of our garden plants. Plants grow from 4 to 6 feet in height, and are very bushy and compact. Excellent for cutting.

EARLY EXPRESS

A new very early flowering Cosmos, which will produce flowers from seeds in forty-five days. 3 feet.

	¼ oz.	Pkt.
Early Express. Pink	\$0.35	\$0.15
Early Express. Crimson	.35	.15
Early Express. White	.35	.15
Early Express. Mixed	.35	.15

Early Express
Cosmos.



Coreopsis Lanceolata Grandiflora.

MAMMOTH EARLY COSMOS

The petals are broadly oval, forming a circular flower of perfect symmetry, having splendid substance and lasting qualities. 4 feet.

	½ Oz.	Pkt.	½ Oz.	Pkt.
Crimson	\$.25	\$0.10	Pink	\$.25 \$0.10
White	.25	.10	Mixed	.25 .10

GIANT FLOWERING (Late)

The perfect shape of the flowers, and the long lasting quality of this variety readily makes it a garden flower of great merit. 6 to 8 feet.

	½ oz.	Pkt.
Crimson	\$.25	\$0.10
Orange (Klondike) 1 ½ feet	.35	.10
Giant Mixed, ¼ lb., \$1.50	.25	.10

Lady Lenox, Pink. Pkt., 10c; ½ oz., 25c.
Lady Lenox, White. Pkt., 10c; ½ oz., 25c.
Hybrida, Finest Mixed. Our seed is all grown from special strain; 4 to 6 feet. Pkt., 5c; oz., 35c.

EXTRA EARLY DOUBLE CRESTED COSMOS

This beautiful Cosmos will bloom as early as the Mammoth Early Single variety. Plants grow from 3 to 5 feet tall. Our strain will give about 65% of double flowers from seed, the other 35% being semi-double and single.

	Pkt.	Pkt.
Pink	\$0.15	Crimson \$0.15
White	.15	Mixed, ¼ oz., 60c. .15

DOUBLE COSMOS (Late)

These hybrids form bushy plants 5 to 6 feet high and flower profusely during the autumn months. Only 40 to 50 per cent of the plants will bear double flowers, the balance producing large single blossoms.

	¼ Oz.	Pkt.
Double Pink Beauty	\$0.30	\$0.10
Double White Queen	.30	.10
Double Crimson King	.30	.10
Double Mixed	.30	.10



Dahlia.

DAHLIA (Tender Perennial)

Dahlias can be grown if the seed is sown indoors or in a hotbed in February or March and the young plants transplanted to the open ground after danger from frost, to produce flowers the first year. In it can be found beautiful combinations of colors and marvelous blendings of shades and tints. 1½ to 5 feet.

		Pkt.
Double Mixed	¼ oz., \$0.50	\$0.10
Single Mixed	½ oz., .35	.10
Cactus Mixed	¼ oz., .60	.15

St. Louis Seed Co.'s Dwarf Large Flowering Hybrids. A new selection of unusual grace with giant flowers and comprising the very best types and colorings in existence. A very dwarf single dahlia for bedding and cutting. 1½ feet. Mixed. Pkt., 25c.

DAISY (Perennial)

Shasta Daisy, Alaska. Splendid perennial plants with large single white flowers with yellow centers. Seed may be sown in the open ground early in spring. 2½ ft. June. Pkt., 10c; ¼ oz., 40c.

Daisy, African Golden. See Dimorphotheca, page 61.

DATURA (Annual)

Angel's "Trumpet." This variety is exceedingly fine, bearing great trumpet-like white and lilac flowers, 6 to 8 inches long; plants 3 feet high. Bedding. Pkt., 10c; ½ oz., 30c.

Golden Queen. Bright yellow flowers. 3 feet. Pkt., 10c; ½ oz., 30c.

COTTON (Annual)

Grown extensively for decorating purposes. Very showy and attractive. 3 feet. Pkt., 10c; 1 oz., 15c.

CRUCIANELLA (Perennial)

Stylosa. 6 in. June. Tangled masses of elegant foliage, crowded heads of light red flowers. Fine for rockery. Pkt., 10c.

CUPHEA (Tender Perennial)

Platycentra. A very pretty border plant. Very showy for pots and bedding. Russet-orange. 1 ft. Pkt., 15c.

**CYNOGLOSSUM (Annual)
(Chinese Forget-me-not)**

Amabile. Forming strong plants 18 to 24 inches high and producing through the summer months sprays of intense blue Forget-me-not-like flowers, delicately sweet scented. Excellent for border and cutting. Pkt., 10c; ½ oz., 25c.

**CYPERUS (Umbrella Plant)
(Tender Perennial)**

Alternifolius. An excellent plant for growing in water and damp places, makes a very ornamental house plant, always presenting a green and attractive appearance. 2 feet. Pkt., 15c.

CYPRESS VINE (Annual)

One of the most popular vines, with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow in May, first soaking the seed in warm water for a few hours. 15 feet.

	Oz.	Pkt.
Scarlet	\$0.20	\$0.05
White .....	.20	.05
Mixed .....	.15	.05



Shasta Daisy.



DELPHINIUM (Perennial Larkspur)

The Delphiniums are the most beautiful hardy plants in cultivation, for they have such an immense variety of beauty and increase in size, in beauty, and often in quantity, year after year. Some varieties grow 5 feet high in rich soil. They have immense spikes of most beautiful flowers of every imaginable shade of blue, and their season is long; in fact, they will bloom from spring till fall.

The culture of Delphiniums is exceedingly simple. Seeds sown in beds or flats from July to September will bloom the following spring. Cover the seed lightly and shade the seed bed. The first transplanting may be made when plants are sufficiently large, spacing them about 6 inches apart.

Placed in lines, as a background to a border, or in groups, of, say, three plants at intervals, the effect of the Delphinium is exceedingly fine. Watering in summer will increase size of spike and flower. Top-dressing is greatly recommended on certain soils, instead of the bare surface of the ground being left exposed to the sun. 2 to 5 feet.

Cliveden Beauty. A greatly improved strain of the popular Belladonna, with a brighter, larger blue flower, a more vigorous and taller growth. Pkt., 15c; $\frac{1}{4}$ oz., 65c.

English Wrexham Hollyhock Strain. Graceful spire shaped spikes of enormous size and beauty. This mixture contains all the colors in Delphiniums, including both double and single flowers. Pkt., 25c; $\frac{1}{4}$ oz., 75c.

Belladonna. They are our best blue cut flowers, are perfectly hardy and established plants produce a number of spikes. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Bellamosum. A dark blue of the type of Belladonna. Pkt., 15c; $\frac{1}{4}$ oz., 60c.

Iceberg. This is the first white perennial Delphinium which comes true from seed. It belongs to the elatum class and grows 48 inches high. These plants are especially noted for their strong healthy growth; they flower from June to August. Pkt., 25c.

St. L. S. Co.'s Large Flowering Hybrids. Flor-ets of immense size and handsomely formed spikes. The colors range from palest sky blue, dark blue, purple, violet, cornflower blue, etc. Pkt., 15c; $\frac{1}{4}$ oz., 75c.

St. L. S. Co.'s Double Hybrids. A splendid mixture of large double flowering varieties. Pkt., 15c; $\frac{1}{4}$ oz., 65c.

Chinese Blue. A lovely azure blue Delphinium flowering from the seed the first season if the seed is sown in early spring. 18 inches. Excellent for rock garden. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Chinese White. The white-flowered form of the preceding. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Chinese Mixed. A very pleasing mixture containing dark blue, light blue and white. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

DELPHINIUM PLANTS

1 Year Old, Ready April 15th to May 10th

Belladonna. The freest and most continuous blooming of all. Clear turquoise blue.

Bellamosum. This is a dark blue form of the popular light blue Belladonna, with which it is identical in habit of growth.

Price of the above, 20c each; \$2.25 per dozen.



St. L. S. Co.'s Large Flowering Hybrids.



Dianthus Plumarius.

DIDISCUS (Annual)

Coeruleus (Blue Lace Flower). 1½ feet. Blooming from July until frost; color, pale lavender; excellent for cutting. Pkt., 10c; ¼ oz., 25c.

DIGITALIS (Foxglove) (Perennial)

Handsome and highly ornamental hardy plants of stately growth. Flowers during June and July. They are now used extensively with good effect for naturalizing in shrubberies. 3 to 5 feet. Giant. Mixed. Pkt., 10c; ½ oz., 35c.

**DIMORPHOTHECA (Annual)
(African Golden Daisy)**

An extremely showy annual daisy from South Africa. The bushy plants grow 12 to 15 inches high. Seed may be sown in the same way as Asters or Petunias, and should have a dry, sunny position. They bloom the greater part of the summer. Fine for border and cutting.

	¼ oz.	Pkt.
Golden West	\$0.30	\$0.10
Improved Orange .....	.30	.10
Salmon Beauty .....	.30	.10
Mixed .....	.30	.10

Ringens. This is a new form of Dimorphotheca or Veldt Daisy, introduced from South Africa. The individual flowers are large, pure white with a very conspicuous blue ring around the center or eye of the flower. Pkt., 10c.



Dimorphotheca.

DIANTHUS OR PINKS (Annual)

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are of symmetrical form—blooming perfectly until fall. Useful for bedding, edging and cutting.

Sweet Wivelsfield. This annual is a hybrid, being a cross between Dianthus Allwoodi and the Sweet William; seed started indoors in January and planted out in April will commence to flower in May. 10 inches. Pkt., 15c; ¼ oz., 50c.

Fireball. Double brilliant scarlet. Pkt., 10c; ½ oz., 40c.

Snowball. Large double white. Pkt., 10c; ½ oz., 40c.

Laciniatus, Double Mixed. Large double flowers, edges fringed. Pkt., 10c; ½ oz., 35c.

Chinese Double Mixed (China or Indian Pink). Blooms in clusters, flowers very double and bloom in a large range of bright colors. Pkt., 5c; oz., 35c.

DIANTHUS, SINGLE ANNUAL

These single sorts contain beautiful varieties, flowers often measuring 2 inches in diameter.

Nobilis Single Mixed. A beautiful fringed sort. Pkt., 10c; ½ oz., 35c.

HARDY GARDEN PINKS (Perennial)

Large Flowering Grass or Spice Pinks. These varieties are well adapted for beds and borders.

Plumarius, Cyclops. Single perpetual, various colors with blood red eye. Pkt., 10c; ¼ oz., 25c.

Plumarius, Single Mixed (Pheasant's Eye). Pkt., 5c; ½ oz., 25c.

Plumarius, Double Mixed. Pkt., 10c; ¼ oz., 35c.

Allwoodi (Perpetual-flowering Hardy Pinks). They flower continuously from spring until autumn. Double and semi-double. 4 to 6 inches. Mixed colors. Pkt., 20c.

Caesius grandiflora (Cheddar Pink). A splendid rock plant, forming dense tufts of sweet scented bright rosy pink flowers in May and June. 4 inches. Pkt., 15c; ¼ oz., 40c.

Latifolius (Double Scarlet). 1 ft. Pkt., 10c; ¼ oz., 25c.

Deltoides (Maiden Pink). Dwarf carmine-rose. 6 inches. Pkt., 15c.

DICTAMNUS (Gas Plant) (Perennial)

The seed should be sown as soon as they are ripe in the fall. If seed is shown in the spring, pour boiling water over them first or they will not germinate easily.

A very showy hardy border plant, forming a bush about 2½ feet in height, having fragrant foliage and spikes of curious flowers during June and July. Mixed. Pkt., 15c.



Dianthus Deltoides.



Eschscholtzia.

DOLICHOS (Hyacinth Bean) (Annual)

A rapid growing climber, flowering freely. Sow the seed in the garden in beds where they are to remain. 10 feet.

White. Pkt., 5c; oz., 15c.

Purple. Pkt., 5c; oz., 15c.

Mixed Colors. Pkt., 5c; oz., 15c.

Lignosus (Australian Pea Vine). A rapid growing, evergreen climber. Rose pea-shaped flowers. Pkt., 10c; ½ oz., 40c.

DRACAENA (Dragon Plant) (Tender Perennial)

Indivisa. Beautiful ornamental-leaved plants; long, narrow green foliage; indispensable for vase and house decorations. 2 feet. Pkt., 10c; ½ oz., 30c.

ECHINOPS (Globe Thistle) (Perennial)

Ritro. Striking hardy plants, with handsome silvery thistle-like foliage and fine steel-blue flowers in round heads, which can be used for cutting. 2 to 3 feet. July. Pkt., 10c; ¼ oz., 25c.

EUPHORBIA (Poinsettia) (Annual)

Variegata (Snow-on-the-Mountain). Green foliage, veined and margined white. 2 to 4 feet. Pkt., 10c; ½ oz., 25c.

Heterophylla (Mexican Fire Plant or Fire-on-the-Mountain). Resembling the beautiful hothouse poinsettia in habit and color. About 3 feet. Pkt., 10c; ½ oz., 35c.



Four O'clocks.

ESCHSCHOLTZIA (California Poppies) (Annual)

Beautiful and popular plants being of the easiest culture and giving great satisfaction. From spring-sown seeds they flower profusely until late in the autumn, making them valuable bedding plants. 1 foot.

	½ oz.	Pkt.
California. Bright yellow	\$0.25	\$0.10
Carmine King. Carmine-rose .....	.25	.10
Purple Glow .....	.25	.10
Mixed, pkt., 5c; 1 oz., 25c.		

FEVERFEW (Matricaria)

They are perennials, but may be treated as annuals.

An old garden favorite. Elegant for bedding and cutting. June to August.

Double White. About 2 feet. Pkt., 10c; ½ oz., 25c.

Golden Ball. Beautiful yellow. 8 inches. Pkt., 15c; ⅛ oz., 30c.

FOUR O'CLOCKS (Marvel of Peru) (Annual)

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Suitable for background border. 3 feet. Mixed. Pkt., 5c; oz., 15c; ¼ lb., 45c.

Foxglove. See Digitalis, page 61.

FORGET-ME-NOT (Myosotis) (Perennial)

These dainty elegant little flowers are hardy perennials, if given slight protection through the winter, that love cool, moist soil, and like pansies, bloom most freely in spring.

Palustris semperflorens. An everblooming variety beginning in May and June. An excellent variety for rock garden. Large, clear blue. 8 inches. Pkt., 15c; ⅛ oz., 35c.

Indigo Blue. Indigo-blue flowers produced on long sprays which are excellent for cutting. 9 inches. Pkt., 10c; ¼ oz., 35c.

Oblongata perfecta. A very fine variety for forcing. Deep blue flower. 1 ft. Pkt., 10c.

Victoria Rose. Dwarf. 8 inches. Pkt., 15c; ⅛ oz., 35c.

Victoria Blue Dwarf. Bright azure blue. Very early. 8 inches. Pkt., 15c; ⅛ oz., 35c.

Mixed. Pkt., 10c; ¼ oz., 35c.

FUCHSIA (Eardrops) (Tender Perennial)

Finest Mixed. An elegant pot variety. 1 to 4 ft. Pkt., 25c.

ERYSIMUM (Annual)

Perofskianum. This border plant is one of the sweetest scented annuals in cultivation. It is a beautiful orange yellow. 1½ feet. Pkt., 10c; ½ oz., 25c.

EVERLASTING OR STRAWFLOWERS (Annual)

These should be grown in every garden, not only for summer blooming, but also as dried cut flowers for winter decoration. Mixed colors. Pkt., 10c; ½ oz., 25c.

FERNS

Are a favorite everywhere and are very easily grown. Sow seed in rich loam.

	Pkt.
Fine Mixed. Greenhouse species	\$0.20
Hardy. Species for outdoors .....	.20



Forget-Me-Not.

GAILLARDIA (Annual) (Blanket Flower)

Splendid showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early summer till November; excellent for beds, borders, or for cutting; should be sown where they are to bloom; 1½ ft. Double MixedPkt., 5c; ½ oz., 25c Single MixedPkt., 5c; ½ oz., 25c

GAILLARDIA GRANDIFLORA (Perennial)

Showy garden plants for beds or borders, producing from early summer until fall, gaily colored single flowers of scarlet and orange. The flowers should be kept picked to insure a continuance of bloom. Hardy perennial but blooms the first year from early sown seed. 2 to 2½ feet.

Burgundy. The shining wine-red blooms about 2½ inches in diameter are produced liberally on long stems by the bushy plants. 2½ feet high. Pkt., 10c; ½ oz., 35c.

Portola Hybrids. Bronzy red with golden-tipped petals. Pkt., 15c; ¼ oz., 50c.

Dazzler. Large, dull red flowers. Pkt., 10c; ¼ oz., 40c.

Compacta Mixed. Pkt., 10c; ½ oz., 40c.

GAILLARDIA PLANTS

Ready April 15th to May 10th

Grandiflora Hybrids. Each, 20c; Doz., \$2.25.

GERANIUMS (Tender Perennial)

These grow readily and produce blooming plants the first summer, if the seed is sown indoors early in the spring. 1 to 1½ feet.

Zonale. Mixed. Pkt., 10c; ¼ oz., 50c.

Apple Scented. Highly esteemed on account of its fern-like fragrant foliage; 1 foot. Pkt., 15c.

**GERBERA (Transvaal Daisy)
(Tender Perennial)**

Jamesoni Hybrids. Splendid greenhouse perennials with large daisy-like flowers; fine for pot plants or for cutting. These hybrids include many brilliant colors and shades. 2 ft. Pkt., 25c.

GILIA (Annual)

Capitata Blue. Attractive and graceful, with small round flower-heads borne profusely on plants 15 to 24 inches tall. The plants begin blooming in 10 to 12 weeks after sowing. Pkt., 10c; ½ oz., 25c.



Annual Gaillardia.

GEUM (Perennial)

Beautiful hardy plants, bearing a profusion of large, showy double flowers. May and June. Elegant cut flowers.

Lady Stratheden (Golden Ball). It is a counterpart of the popular scarlet variety Mrs. Bradshaw, only the blooms are a rich golden yellow. 1½ to 2 ft. Pkt., 15c; ½ oz., 35c.

Mrs. Bradshaw. Double. The orange-scarlet flowers are very large and full. Blooms the first year. 1½ to 2 feet. Pkt., 15c; ¼ oz., 50c.

GLOXINIA (Tender Perennial)

Gloxinias are most charming greenhouse plants, of dwarf habit, many of which are magnificently spotted, mottled and blended. 1 foot.

Giant Hybrids. Mixed. Pkt., 25c.

GODETIA (Annual)

The flowers are of delicate colors. Thrives well in a shady situation. Excellent bedder. 1½ feet.

Mixed. Pkt., 10c; ½ oz., 25c.

Dwarf (Double Pink). Excellent for pots. 1 foot. Pkt., 10c; ¼ oz., 25c.



Perennial Gaillardia.



Geum, Mrs. Bradshaw.



Gerbera.



Gypsophila Paniculata.

GYPSOPHILA (Annual)

Gypsophilas are valuable for bouquet-making. 1 1/2 feet.

	Pkt.	Oz.
Paris Market. White	\$0.10	\$0.25
Rosca Elegans. Rose	.10	.25

GYPSOPHILA (Perennial)

Paniculata (Baby's Breath). Flowers single white. July. 3 feet. Pkt., 10c; 1/2 oz., 25c.

Paniculata, Fl. Pl. Double flowering Baby's Breath. 2 1/2 feet. Pkt., 15c; 1/8 oz., 50c.

Repens Mixed (Dwarf Baby's Breath). Splendid in rockery. 6 inches. June. Pkt., 10c.

"Pacifica." Rose colored; begins to flower when the paniculata varieties have passed. Excellent for cutting. August. Pkt., 15c.

HELIANTHEMUM (Rock or Sun Rose) (Perennial)

Mixed. An excellent dwarf spreading perennial for dry soils. Flowers in rose, pink, and white, during May and June. 8 inches. Pkt., 10c; 1/4 oz., 35c.

HELICHRYSUM (Strawflower) (Annual)

One of the best and most popular of the everlasting flowers. 2 to 2 1/2 feet.

	1/2 Oz.	Pkt.
Canary Yellow	\$0.35	\$0.10
Fireball. Crimson	.35	.10
Salmon Pink	.35	.10
Silver Ball. White	.35	.10
Violet Queen	.35	.10
Golden Ball. Golden yellow	.35	.10
Carmine Rose	.35	.10
Mixed	.25	.05

HELIOPSIS (Perennial) (Orange Sunflower)

Lemoine Strain. A desirable hardy herbaceous plant, growing from 3 to 4 feet high, beginning to flower early in the season. The semi-double flowers are of a beautiful deep golden yellow color, about 2 inches in diameter, and very graceful for cutting. Blooms the first year from early sown seed. Pkt., 15c.

GOMPHRENA (Annual)

Also called "Bachelor's Buttons"; showy, everlasting; flowers resemble clover heads and when dried are used for winter bouquets; fine for bedding. 1 1/2 feet.

	1/2 Oz.	Pkt.
Pink	\$0.30	\$0.10
Purple	.30	.10
Mixed	.20	.05

GOURDS—ORNAMENTAL (Annual)

They attain the remarkable growth of from 10 to 20 feet in height and are grown extensively for household as well as ornamental purposes.

	Pkt.
Dipper	\$0.05
Dishcloth. Sponge-like	.05
Hercules' Club. The longest of any	.05
Japanese Nest Egg. Resembles hen's eggs	.05
Pipe Calabash. Used in making pipes	.05
Sugar Trough. Very light, but durable	.05
Small Varieties. Mixed. 1 oz., 25c	.05

GRASSES—ORNAMENTAL

For large beds or groups on lawns used in many of the finest public parks, etc.

	Pkt.
Coix Lacryma (Job's Tears). 2 ft.; annual	\$0.10
Gyncrium Argenteum (Pampas Grass). 6 ft.; perennial	.10
Lagurus Ovatus (Hare's Tail Grass). Annual. 1 ft.	.10
Eulalia Zebrina (Zebra Grass). Light green, barred with creamy white; hardy	.10
Pennisetum Rucppelianum. Purple fountain grass. 3 feet. Annual	.10
Pennisetum Longistylum. 2 1/2 feet. Tender ornamental grass, valuable for border. Annual	.10
Stipa Pinnata (Feathered Grass). Hardy. 2 to 3 feet	.10
All Colors, Mixed. 1/4 oz., 25c	.10

GREVILLEA (Silk Oak) (Tender Perennial)

Robusta. a very beautiful and graceful decorative plant with fern-like foliage. 1 to 5 feet. Pkt., 10; 1/4 oz., 30c.



Helichrysums.

HELIOTROPE (Tender Perennial)

This fragrant plant has an individual charm all of its own. Its green foliage and large clusters of dark blue to deep violet flowers lend themselves in the border to pleasant contrasts.

St. L. S. Co.'s Giant Mixed. Delightfully fragrant flowering plants, growing about 18 inches high; great favorites for pot culture and bedding. Pkt., 10c; ¼ oz., 35c.

Queen Margaret. Beautiful deep blue. 2 feet. Pkt., 10c; ⅛ oz., 30c.

HEUCHERA (Perennial)

Sanguinea splendens. The flowers are rich crimson. Blooms profusely from late May and June. Grows about 12 inches tall, and is excellent for cutting or rock work. Pkt., 15c.

HIBISCUS (Marshmallow) (Perennial)

Mallow Marvel. A greatly improved form; gigantic single flowers; many shades of red, pink, rose and white in mixture. Useful for background borders. July. 4 feet. Pkt., 10c; ½ oz., 35c.

HOLLYHOCKS (Perennial)

For a background to a flower garden nothing is better than the improved strains we offer of this tall old-fashioned garden perennial. The large, richly colored blossoms about three inches across, ranging from deep yellow and red to pure white, are set as rosettes around the strong growing flower stalks. June until August. 5-7 ft.

Sow seed in May, in open ground and in the autumn transplant to permanent position two or three feet apart. The following summer they will bloom.

Imperator. Giant Mixed. Petals elegantly frilled and deeply fringed, in the center of which appears a very double rosette about 2 inches across. Pkt., 15c; ⅛ oz., 35c.

Exquisite Double Fringed Mixed. This beautiful mixture contains the most artistic shades. Pkt., 15c; ⅛ oz., 35c.

Newport Pink. It is the finest pure pink, double variety. Pkt., 10c; ¼ oz., 35c.

Chater's Superb Double. An extra fine strain.

	Pkt.		Pkt.
Deep Rose	\$0.10	White	\$0.10
Salmon Pink . . . . .	.10	Crimson . . . . .	.10
Maroon . . . . .	.10	Yellow . . . . .	.10

Mixed, ¼ oz., 35c; Pkt., 10c.

Single Mixed. Flowers mammoth in size. Pkt., 10c; ½ oz., 25c.

HOLLYHOCKS, ANNUAL EVERBLOOMING

Sown early in spring they will bloom the first season.

Double Ever-Blooming Mixed. Pkt., 10c; ½ oz., 40c.



Kochia.



Chater's Superb Double Hollyhocks.

HONESTY (Moonwort) (Biennial)

Biennis alba. Admired for its silvery seed pods which are used for ornamental purposes; beautiful and curious. May. 3 to 4 feet. Pkt., 10c; ½ oz., 35c.

HOP (Annual)

Japanese Variegated. Rapid summer climber, in three or four weeks time attaining a height of 10 to 20 feet. Pkt., 10c; ½ oz., 25c.

HUNNEMANIA (Annual)

Fumariaefolia. The plants grow into a shrubby bush 1 ½ feet high and produce large cup-shaped flowers. Bedding and cutting. July. Yellow. Pkt., 10c; ½ oz., 35c.

ICE PLANT (Annual)

Handsome and curious plant for hanging baskets, rock work, vases and edgings. 8 inches. Spreading. Pkt., 10c; ½ oz., 35c.

IMPATIENS SULTANA (Tender Perennial)

The Zanzibar, or Sultan's Balsam. Ideal for either pot or garden culture; a tender perennial that cannot be surpassed. Mixed. 1 ½ ft. Pkt., 15c.

INCARVILLEA (Perennial)

Variabilis Hybrids. (Chinese Gloxinia). Having beautiful tubular shaped begonia-like flowers of pink, salmon and yellow, a fine plant for beds and borders. Although a perennial, it blooms the first season from spring-sown seed. 2 ft. June to October. Mixed. Pkt., 15c.

KOCHIA (Burning Bush) (Annual)

An easily grown foliage or hedge plant which makes a very rapid growth and presents an extremely symmetrical and attractive appearance. Called "Mexican Fire Plant." 2 to 3 ft. Pkt., 5c; 1 oz., 25c.

KUDZU VINE (Perennial)
Jack-and-the-Bean-Stalk

A twining vine of remarkably rapid growth, hardy foliage large and lobed; purple, pea-shaped flowers in clusters, borne late in the season. 40 to 50 ft. Pkt., 10c; oz., 35c.

LANTANA (Annual)

Hybrid (Dwarf Mixed). They will be found a great improvement upon the older sort, and a splendid acquisition to our list of window and bedding plants. 1 ft. All summer. Pkt., 10c; ¼ oz., 25c.

LAVATERA (Annual Mallow)

Rosea splendens. A very beautiful and showy annual growing about two feet high and covered during the entire Summer with large shrimp-pink flowers. Excellent for border and cutting. Pkt., 10c; ½ oz., 25c.

LAVENDER (Lavandula Vera) (Perennial)

Well-known, hardy perennial, bearing long spikes of fragrant blue flowers; excellent for the mixed border. 1 ft. June. Pkt., 10c.

Larkspur (Annual)

Hardy Larkspur—See Delphinium.

This is one of the best known garden flowers, and in recent years a vast improvement has been effected by careful selection in size and color of the blossoms and the general habit of the plant. Seeds sown in the open ground before the close of May will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until August. They make handsome beds or lines, and their free, graceful habit and bright colors are very effective when interspersed in the old-fashioned flower or shrubbery border. They stand well when cut and a vase of one or mixed colors is indeed charming. 2 to 6 feet. Seed may also be sown in fall.

Emperor Dwarf Branching Double Stock Flowered. About twenty-four inches high. Produces an abundance of long, slender spikes in the most delicate colors. Mixed. Pkt., 10c; ½ oz., 35c.

GIANT HYACINTH FLOWERED LARKSPUR

The flowers are large, very double and borne on spikes resembling a double Hyacinth; 3 feet. Mixed Colors. Pkt., 10c; ½ oz., 35c.

GIANT IMPERIAL BRANCHING

The base branching habit of this group of Larkspurs is identical with the base branching habit of Giant Imperial Stock. These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plant.

Blue Spire. Deep Oxford blue. Pkt., 15c; ¼ oz., 35c.

Carmine King. Deep carmine rose. Pkt., 15c; ¼ oz., 35c.

Daintiness. Delicate lavender. Pkt., 15c; ¼ oz., 35c.

Exquisite Pink Improved. Soft pink. Pkt., 15c; ¼ oz., 35c.

Exquisite Rose. A rich deep rose. Pkt., 15c; ¼ oz., 35c.

Lilac Spire. Beautiful lilac. Pkt., 15c; ¼ oz., 35c.

Miss California. Deep pink, shaded salmon. Pkt., 15c; ¼ oz., 35c.

White Spire. Pure white. Pkt., 15c; ¼ oz., 35c.

Empress Rose. A rich pink changing to hermosa pink. It is everblooming. 6 feet. Pkt., 15c; ¼ oz., 35c.

Giant Imperial Mixed. Pkt., 15c; ¼ oz., 35c.

DOUBLE STOCK FLOWERING TALL

A charming mixture containing all the bright and delicate shades. A wonderful cut flower and should be planted generously.

	Pkt.		Pkt.
Dark Blue	\$0.10	White	\$0.10
Rose .....	.10	Rosy Scarlet .....	.10
Lustrous Carmine. .	.10	La France Pink ..	.10
Lilac .....	.10	Sky Blue .....	.10

· Mixed. Double flowering. Pkt., 5c; ½ oz., 25c.



Double Stock-Flowered Larkspur.



Blue Spire Larkspur.



Linum—Scarlet Flax.

LOBELIA (Annual)

The annual Lobelias are plants of dwarf, compact growth, 4 to 6 inches in height, covered with numerous small, starlike flowers. Very pretty when grown as an edging, also for hanging baskets.

Crystal Palace Compacta. Large and deep blue flowers and bronzy foliage. 4 inches. Pkt., 10c; 1/8 oz., 30c.

Florists' Favorite Compacta. Brilliant dark blue with white eyes. Very dwarf. Pkt., 10c; 1/8 oz., 30c.

Sapphire. Trailing Lobelias. This variety is of remarkably strong growth and is called Sapphire. Flowers deep blue. Pkt., 15c.

Cardinalis. Rich crimson flowers on fine long stems 2 to 4 feet tall. July to September. Delights in moist soil. Perennial. Pkt., 25c.



Lobelia Cardinalis.

LUPINUS (Lupine) (Annual)

Free flowering, easily grown, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade. 2 to 3 feet.

Texas Blue Bonnet. Pkt., 10c; 1/2 oz., 30c.

Yellow. Canary. Pkt., 10c; 1/2 oz., 30c.

	1 Oz.	Pkt.
Dark Blue	\$0.35	\$0.10
White .....	.35	.10
Sky Blue .....	.35	.10
Roseus .....	.35	.10
Mixed .....	.25	.05

New Hartwegi Giants Mixed. Have the base branching habit, with four to six long spikes to a plant. Colors include dark blue, sky blue, rose and white. Easily grown from seed. Pkt., 15c.

Perennial Varieties

A beautiful perennial of easy culture, with graceful spikes of pea-shaped flowers; excellent for cutting. 2 1/2 to 3 feet. May and June.

	1/2 Oz.	Pkt.
Blue	\$0.25	\$0.10
Rose .....	.25	.10
Sunshine Yellow .....	.35	.10
White .....	.25	.10
Mixed .....	.25	.10



Lupinus.

LEPTOSIPHON (Annual)

A most attractive free-blooming border plant.

Hybridus. An easily grown annual, growing from 8 to 10 inches tall. It is suited for sunny places in borders. This mixture contains various shades of cream, yellow, orange, carmine, brown, lilac, and purple. Pkt., 10c; 1/2 oz., 35c.

LIATRIS (Blazing Star) (Perennial)

Mixed. A showy border plant, with large spikes of Rosy and violet-purple flowers. A fine cutting variety. 2 to 3 ft. July and August. Pkt., 10c.

LILY, REGAL (Perennial)
(Lillium Myriophyllum)

The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. Blooms out-of-doors early in June, and seedling bulbs will flower the second year. 3 ft. Pkt., 15c; 1/4 oz., 35c.

LINARIA (Perennial)

This interesting species bears flowers which resemble miniature Snapdragons terminating in single elongated spurs, which are little known but worthy of greater attention.

Cymbalaria (Kenilworth Ivy). A pretty perennial of trailing habit that can be treated as an annual. Sow the seed in hotbed in March. Flowers are bright lilac with a yellow throat. Very good for rock garden. July and September. 3 inches. Pkt., 15c.

LINUM

Scarlet Flax. One of the most effective and showy bedding plants of long duration, with brilliant scarlet-crimson flowers. Annual. 15 inches. Pkt., 10c; 1/2 oz., 25c.

Perenne. Perennial. A desirable plant for the hardy border or rockery; light graceful foliage and large blue flowers. May and June. 1 1/2 feet. Pkt., 10c; 1/2 oz., 30c.

LYCHNIS (Burning Star) (Perennial)

Hybrida Mixed. Colors of white, rose, and vermillion; useful for beds and borders. July. 12 inches. Pkt., 10c.

Chalcedonica (Jerusalem Cross). 3 feet. June to August. Flowers which are of the most fiery red imaginable appear in clusters. Pkt., 10c.

LYTHRUM (Loosestrife) (Perennial)

Roseum. A fine hardy perennial, producing spikes of rosy pink flowers, good for massing. July and August. 3 feet. Pkt., 10c.

MALOPE (Mallow-Wort) (Annual)

3 feet. Showy plants for large mixed flower and shrubby borders. July and August.

Grandiflora Mixed. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

MARIGOLDS (Annual)

The African and French Marigolds are old favorite free-flowering annuals of easy culture; both are extremely effective and are well adapted for large beds or mixed borders; they succeed best in a light soil, with full exposure to the sun.

Mexican Dwarf Orange. A new type, growing 18 inches high. Large double flowers of bright orange, branching habit. Good blooms. Pkt., 10c.

AFRICAN MARIGOLD TALL DOUBLE

Orange All-Double. A free flowering annual with their rich and showy flowers blooming all summer. 3 feet. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

Lemon All-Double. Large globular flowers composed of compact masses of tubular or quilled petals. Splendid stems for cutting. 3 feet. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

Guinea Gold. A type of Tagetes for cut flowers. Brilliant shade of orange flushed gold. 2 to 2 $\frac{1}{2}$ feet. Pkt., 10c.



French Marigolds.

Lemon Queen. Tall growing plants bearing large, double flowers. Petals quilled. Color soft lemon yellow. 3 feet. Pkt., 10c; $\frac{1}{2}$ oz., 40c.

Orange Prince. The same type of plant and flower as Lemon Queen, but color is rich, deep orange. 3 feet. Pkt., 10c; $\frac{1}{2}$ oz., 40c.

Double Tall Mixed. A tall mixture well adapted for large beds. 3 to 4 feet. Pkt., 5c; $\frac{1}{2}$ oz., 35c.

DWARF SINGLE FRENCH MARIGOLD

Legion of Honor. (Little Brownie). A single flowering Marigold, forming compact bushes 9 inches high. Begins flowering early, commencing in June, continuing until frost. Pkt., 5c; $\frac{1}{2}$ oz., 25c.

DWARF DOUBLE FRENCH MARIGOLDS

Few annuals are as effective as the French Marigolds or flower for so long a period; they all form dense bushes not over 10 inches high, and are unequalled for borders or beds.

Golden Ball. A splendid pure golden yellow. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Dwarf, Double Striped. Brownish red, striped yellow. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Robert Beist. The color combination is most pleasing, velvety reddish brown with small golden center. Desirable as a cut flower. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

French Dwarf Double Mixed. A splendid mixture saved from fine double flowers. Pkt., 5c; $\frac{1}{2}$ oz., 25c.



African Marigold, Orange Prince.

MATTHIOLA (Annual)

Bicornis (Evening Scented Stock). A desirable border plant, delightfully fragrant during the evening; color, purplish lilac. 1 foot. July to September. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

MESEMBRYANTHEMUM (Annual)

Tricolor. Splendid for the rockery, sunny banks, etc., with daisy-like flowers of crimson, pink and white. 6 inches. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

MIGNONETTE (Reseda) (Annual)

A well known hardy annual producing dense cone-shaped flower-spikes, made up of thickly set florets of modest colors. Thrives best in a cool temperature. July and August.

Allen's Defiance. Will throw flower stalks of a foot in length, delightful fragrance. 12 to 15 inches. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Golden Machet. Distinct variety of Machet, with massive spikes of golden yellow blossoms. 1 foot. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Red Goliath. The spikes of flowers are immense, measuring 6 to 8 inches long, $2\frac{1}{2}$ inches in diameter. 1 foot. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

New York Market. Of dwarf pyramidal growth, bearing numerous flower stalks; highly colored. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

Large Flowering. Mixed. Pkt., 5c; 1 oz., 25c.

Marvel of Peru. See Four O'clock on page 62.

MIMULUS (Annual)

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; fine for edging and rockery.

Moschatus (Musk Plant). Small yellow flowers, fragrant foliage. 6 inches. Pkt., 10c.

Tigrinus (Monkey Flower). Spotted; mixed. 8 inches. Pkt., 10c.

MINA LOBATA (Annual)

A valuable Mexican climber which will flower late in the season in a northern latitude but is of luxuriant growth in a milder climate. The vine is clothed with large heart-shaped leaves deeply lobed and bears many handsome floral sprays in pairs. The buds are scarlet and as the blossoms expand they turn through brilliant orange to primrose. Pkt., 10c.

MORNING GLORIES (Annual)

Heavenly Blue (Early Flowering Rubro Coerulea). The flowers measure from $2\frac{1}{2}$ to 3 inches across, sky-blue with a white throat. They are profuse bloomers and during a long season the vines are a mass of baby-blue blossoms. Sow seeds where they are to remain. Pkt., 10c; oz., 40c.

Imperial Japanese Mixed. Petals are of a large size and blotched with different shades and tints. Pkt., 10c; oz., 20c.

Rochester. Deep violet-blue in the throat, blending out to an azure-blue. Pkt., 10c; oz., 20c.

Setosa (Brazilian Morning Glory). The flowers are of beautiful rose. Pkt., 10c; oz., 20c.

St. L. S. Co.'s New Japanese Giant. The flowers of this variety are of largest size; very odd shades. Pkt., 15c; oz., 50c.

Fine Mixed. All colors. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

MOONFLOWER (Ipomoea) (Annual)

White, Large Flowering. One of the most vigorous summer climbers and will grow under favorable conditions 30 to 40 feet and be covered evenings and cloudy days with very large, white trumpet-shaped flowers. Seed should be cut with

a sharp knife, care being taken not to cut any deeper than the hard shell. August to October. Pkt., 10c; oz., 25c.

Blue. Pkt., 10c; oz., 25c.

Giant Pink. The soft lilac-pink. Pkt., 10c; oz., 25c.



Matthiola (Stocks).



Mignonette.



White Moonflowers.

NASTURTIUMS (Annual)

Easily grown, and producing a great profusion of brightly colored flowers within a few weeks after they are sown; they succeed best in rather light, well-drained soil.

SHAW'S GARDEN HYBRIDS

The prettiest strain of Dwarf Nasturtiums. There's really no comparison in the beauty and color of the flowers. **Mixed. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.35.**

Fine Dwarf Mixed. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

DWARF OR TOM THUMB VARIETIES

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

Beauty. Light scarlet, splashed canary.

Cloth of Gold. Rich scarlet.

Empress of India. Brilliant crimson; dark foliage.

King Theodore. A scarlet-maroon; dark foliage.

Golden King. Rich golden yellow.

Pearl. Pure White.

King of Tom Thumb. Scarlet.

Regelianum. Deep purplish crimson.

Pkt., each, 10c; 1 oz., 15c; ¼ lb., 50c.

TALL OR CLIMBING VARIETIES

May be used to cover unsightly railings and to trail over rough ground with fine effect. The seed-pods can be gathered while green and tender for pickling; 6 to 8 feet.

HYBRIDS OF MME. GUNTHER

Climbing about six feet and covered from Spring to Fall with large substantial flowers of the most brilliant shades. **Mixed. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.35.**

Fine Mixed. Tall. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

NEW DOUBLE NASTURTIUM

Golden Gleam. A new semi-double golden yellow Nasturtium. This variety has received great merit wherever grown and where flowers have been placed for exhibition. Plants are bushy, 2 feet high, with green foliage and golden yellow flowers. **Pkt., 15c; oz., 50c.**

NIEREMBERGIA (Annual)

Frutescens. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets and rockwork. All summer. 1 foot. **Pkt., 10c.**

NEMESIA (Annual)

Compact, low growing plants producing an abundance of bright colored flowers of distinctive shape. The flowers are borne somewhat above the foliage and range in color from white through pale yellow and rose to orange and crimson. Excellent for bedding. 8 inches. June and July.

Dwarf Mixed. Pkt., 15c; ¼ oz., 40c.

NIGELLA (Love-in-a-Mist) (Annual)

Lovely garden annuals, with finely cut green foliage, and curious looking flowers and seed pods. Splendid for beds and cutting. July and August.

Double Blue, Miss Jekyll.

A lovely variety, with corn-flower-blue blossoms. 18 inches. **Pkt., 10c; oz., 25c.**

Double Mixed. Compact, free-flowering plants. Blue and white shades; 18 inches. **Pkt., 10c; oz., 25c.**



Nemesis.

NEMOPHILA (Annual)

Free flowering, of very neat compact habit. Flowers are cup-shaped, appearing in many brilliant colors, the blue shades being particularly striking. For shady border. 6 inches. June and July. **Mixed. Pkt., 10c; oz., 30c.**

NICOTIANA (Annual)**Ornamental Tobacco**

Affinis. An annual with sweet-scented, pure white star-shaped flowers. Border and cutting. 2 ½ ft. **Pkt., 10c; ½ oz., 25c.**

Sanderae. The entire bush is covered with large brilliant carmine-red flowers. 2 ½ feet. **Pkt., 10c; ½ oz., 35c.**

OENOTHERA (Evening Primrose)

Lamarckiana. They grow in branching form two feet in height and produce single poppy-like flowers of yellow color. Excellent for bedding and border. June to September. Annual. **Pkt., 10c; ½ oz., 25c.**

Missouriensis. Yellow flowers, often two inches in diameter. June till August. 3 feet. Hardy perennial. **Pkt., 15c; ½ oz., 35c.**

St. Louis Seed Co.'s Giant Pansies

(Tender Perennial)

Culture: Seed may be sown indoors very early in spring, or a little later in the open ground, transplanted when an inch high. Such plants will commence to bloom in June. If sown in July, the plants will bloom in the fall, or if sown in September, the following spring. Well pulverized soil should be used and the seeds covered one-eighth to one-fourth inch deep with fine soil firmly pressed down. The largest and best flowers are produced by young plants which have been grown rather slowly in a partially shaded situation, and in very rich soil; coolness and moisture are necessary. A situation sheltered from high winds and exposed to the morning sun is most favorable and frequent sprinklings are advantageous. Grown indoors, Pansies make a good winter blooming pot plant. Half hardy perennial but usually grown as an annual or biennial. 6 inches.

St. L. S. Co.'s Exhibition. The colorings of this pansy are mixed, there being no end to the numerous shades which nature has endowed upon this gigantic marvel, every petal being a veritable display of shades and coloring in itself. Pkt., 25c; 1/8 oz., \$1.25.

Steele's Miracle Mixed. A fine blend of bright effects. They offer a superior mixture containing all the finest types, including ruffled flowers and many of our new sunburst pansies. Pkt., 35c.

Masterpiece. This grand Giant Pansy is remarkable in having the borders of the petals waved or frilled which gives the flower an almost double appearance. Pkt., 15c; 1/8 oz., 75c.

St. L. S. Co.'s "Nonpareil" Mixture. The flowers are of a large size and the plants grow taller than other mixtures. Pkt., 20c; 1/8 oz., 75c.

Imperial Giant Mixed. They embrace all the solid or self-colors delicately shaded, of various colors, dark and light marbled varieties, flowers with clear, distinct eyes. Pkt., 15c; 1/8 oz., 65c.

Fine Mixed. The flowers of this splendid mixture are of good size, very fine form and range of colors in the lighter shades. Pkt., 5c; 1/2 oz., 35c.

GIANT TRIMARDEAU PANSIES

We have discarded the ordinary Pansies in separate colors in favor of this type, which produces very large flowers, plants of strong robust growth.

Separate Colors	1/4 oz.	Pkt.
Giant Snowflake, White	\$0.40	\$0.10
Giant Faust. Black .....	.40	.10
Giant Lord Beaconsfield, Blue and white .....	.40	.10
Giant Fire King. Golden yellow .....	.40	.10
Giant Emperor William. Azure blue ..	.40	.10
Giant Gold Elsie. Pure yellow .....	.40	.10



Tufted Pansies.



Giant Pansy.

Trimardeau Giant Mixed. Extra large flowers. Most of the flowers have three large blotches or spots. Pkt., 10c; 1/4 lb., 40c.

Pansy Plants Ready April 1st. Price 12 plants, \$1.00 (By Express Only).

EARLY FLOWERING

Sweet Scented Mixed. With slight protection, such as meadow hay, leaves or similar material, full-grown plants winter over in the open ground. Pkt., 10c; 1/4 oz., 40c.

TUFTED PANSIES, OR VIOLA CORNUTA (Perennial)

Few plants are of more general usefulness in the garden or possess more good qualities than the Viola Cornuta.

	1/4 oz.	Pkt.		1/4 oz.	Pkt.
Light Blue ..	\$0.35	\$0.10	White	\$0.35	\$0.10
Dark Blue ..	.35	.10	Mixed .....	.35	.10
Yellow .....	.35	.10			

Jersey Gem. The flowers, which have the appearance of large single violets, are produced on six-inch stems and in color are a pleasing shade of violet-blue. Thrives well in partial shade. Flowers from May to June. Pkt., 25c.

PENTSTEMON (Beard Tongue) (Perennial)

Beautiful plant for the hardy border. The large Gloxinia shaped blossoms vary from pure white, pink, rose and crimson to mauve and purple. Height, 2 1/2 feet. June and July. Mixed. Pkt., 15c.

St. Louis Seed Co.'s Selected Petunias

(Annual)

Culture: Petunias are unsurpassed for massing in beds. They are also used along walks and drive-ways and are often grown in window boxes. Their richness of color and duration of bloom will always make them popular. They endure drought exceptionally well. The seed we offer is the result of careful hybridization and can be depended upon to give results.

Plant the seed, which is exceedingly fine, in a warm, open, sunny place. Seeds may be sown directly in the open ground or for early results the plants may be started in cold frame, hotbed or in pots indoors, in a temperature averaging 60 to 70 degrees. Water with a fine spray and do not permit the seedlings to dry out.

PETUNIAS, DWARF OR BEDDING

These plants only grow about 12 inches high and while branching freely from the base they nevertheless remain quite compact.

PINK GEM (Nana Compacta). A new miniature Petunia of compact growth, about 6 inches high with deep pink flowers. Fine for borders and rockery. Pkt., 15c.

Lace Veil (New). Dwarf white fringed. Fine for beds, borders and window boxes. The finely fringed, waved edges give the impression of a white lace. 1 ft. Pkt., 25c.

Dwarf Cockatoo. The flowers are a velvety violet-purple with irregular size white spots. Pkt., 10c.

Dwarf Giants of California. Extra large flowers, which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb. Pkt., 35c.

Dwarf Fringed Rose. A beautiful fringed rose-colored dwarf bedding variety. Excellent for borders. Pkt., 10c; 1/8 oz., 35c.

Dwarf Fringed Red (Gottfried Michaelis). The compact bushes grow about 12 in., high, covered with red fringed flowers. Pkt., 25c.

Dwarf Heavenly Blue. Light or silvery blue. Pkt., 10c; 1/8 oz., 35c.

Crimson. A beautiful deep red. Of compact growth. Pkt., 10c; 1/8 oz., 35c.

Rosy Morn. Compact in habit, producing throughout the Summer an abundance of clear rosy pink flowers. An excellent sort for borders, edgings or porch boxes. Pkt., 10c; 1/8 oz., 35c.

Rose of Heaven. Color rich brilliant rose, darker than Rosy Morn. Pkt., 10c; 1/8 oz., 35c.

Setting Sun (Fringed Brilliant Rose). It comes true from seed, and forms compact bushes 12 inches high, covered with beautifully fringed blossoms of a brilliant rose pink measuring 3 inches across. Pkt., 25c.

Snow Queen. A fine compact sort, producing its pure satiny white flowers. Pkt., 10c; 1/8 oz., 35c.



Bed of Rosy Morn Petunias.

Striped and Blotched. Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder. Pkt., 10c; 1/8 oz., 50c.

Violet. A fine companion to Rosy Morn, same habit and freedom of bloom. Color violet-blue. Pkt., 10c; 1/8 oz., 35c.

Dwarf Mixed. Plants compact growing. A choice mixture of many shades and colors. Very desirable for beds. Pkt., 10c; 1/8 oz., 40c.

PETUNIAS, BALCONY

For parkway planting or solid beds in the garden these small flowered Petunias will give an unbroken display of color throughout the entire season. The flowers are small in size, but lavishly borne.

Star of California. A magnificent variety, especially for window boxes and hanging baskets; color, velvety violet, with a touch of crimson, starred with five pure white blotches. Pkt., 15c.

Pkt.		Pkt.	
Balcony Blue	\$0.15	Balcony Crimson . .	\$0.15
Balcony Rose . . . .	.15	Balcony Mixed . . . .	.15

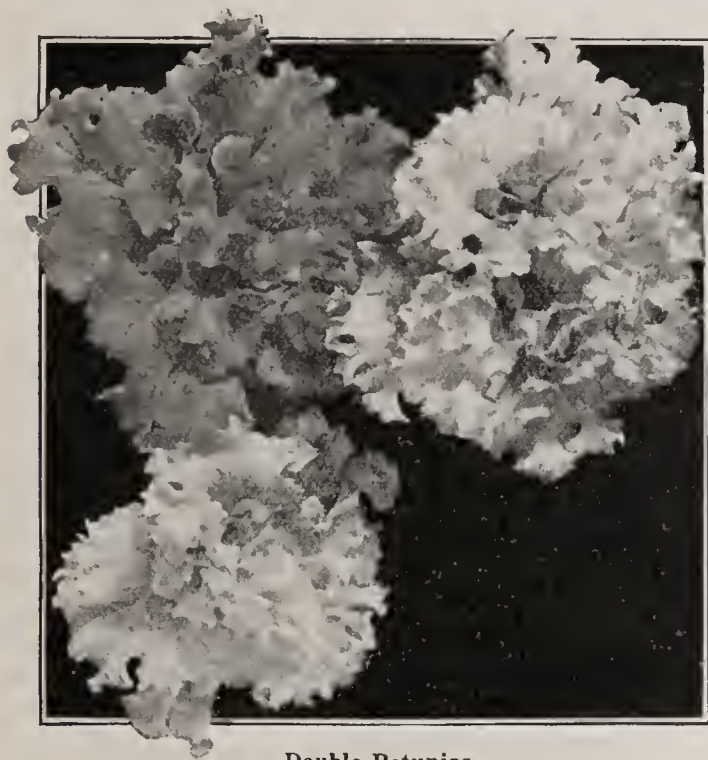
GIANT FRINGED AND RUFFLED

Giants of California. The richest colors, the largest flowers and the finest markings of all Petunias, many of them measuring 4 inches in diameter. Pkt., 15c.

Ruffled Giants. Flowers of extraordinary size and substance, and distinguished from the large flowering fringed section by the deep fluting. Pkt., 25c.



Setting Sun Petunias.



Double Petunias.

PHLOX DRUMMONDI (Annual)

It occupies a first place as a garden annual. Seed is usually sown very early in spring outdoors in rows one foot apart. A sunny situation is desirable. Well pulverized soil, preferably rich and mellow, should be used, and the seed, which germinates rather slowly, covered with about one-fourth inch of fine soil firmly pressed down. Thin to six inches apart; one foot high.

	¼ oz.	Pkt.
Large Flowering. White	\$0.35	\$0.10
Large Flowering. Scarlet .....	.35	.10
Large Flowering. Shell-pink .....	.35	.10
Large Flowering. Deep rose .....	.35	.10
Large Flowering. Dark purple .....	.35	.10
Large Flowering. Fiery red .....	.35	.10
Large Flowering. Violet .....	.35	.10
Large Flowering. Mixed .....	.35	.10

Starred and Fringed Mixed. Very odd and pretty effect. Pkt., 10c; ¼ oz., 35c.

Fine Mixed. Bright, showy flowers. Good for cutting; 1 foot. Pkt., 5c; ½ oz., 40c.

PHLOX (Dwarf)

The plants grow very symmetrical, covered with flowers during the whole summer and fall. 6 in.

	⅛ oz.	Pkt.
Fireball. A fine scarlet	\$0.30	\$0.10
Pink .....	.30	.10
Snowball. Pure white .....	.30	.10
Dwarf Mixed. All colors .....	.30	.10

PHLOX (Perennial)

Decussata. 2 to 3 ft. July-September. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating and the seedlings may not appear for a year. Pkt., 15c; ¼ oz., 50c.

PHYSALIS (Perennial)

Francheti (Chinese Lantern Plant). 1½ feet. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns. Useful in winter bouquets. August and September. Pkt., 10c; ¼ oz., 30c.

GIANT PORTLAND PETUNIAS

For planting of veranda boxes and for choice potted plants or for bedding out these Petunias in select colors, never fail to please.

Theodosia. In comparison with Pink Triumph is a softer rose or pink, slightly larger, with a more open throat and beautifully veined. Pkt., 15c.

Pink Triumph. The best bright pink fringed Petunia. It is robust in its growth, easy to grow from seed and comes quite true to type and color. Pkt., 15c.

Elk's Pride. Large; deep royal purple. Pkt., 15c.

Pride of Portland. Deep rose-pink. Pkt., 15c.

Romany Lass. Color shading from cherry-red to deep maroon. Pkt., 15c.

White Beauty. Giant flowering white. Pkt., 15c.

Mixed Colors. Pkt., 15c.

HALF DWARF PETUNIAS

All of the following are wonderfully effective in beds and borders. 18 inches high.

Howard's Star. Color crimson-maroon with a clearly defined five-point star of bluish white. Pkt., 10c; ⅛ oz., 35c.

Extra Choice Mixed. Made up from named large-flowering sorts. Pkt., 10c; ¼ oz., 50c.

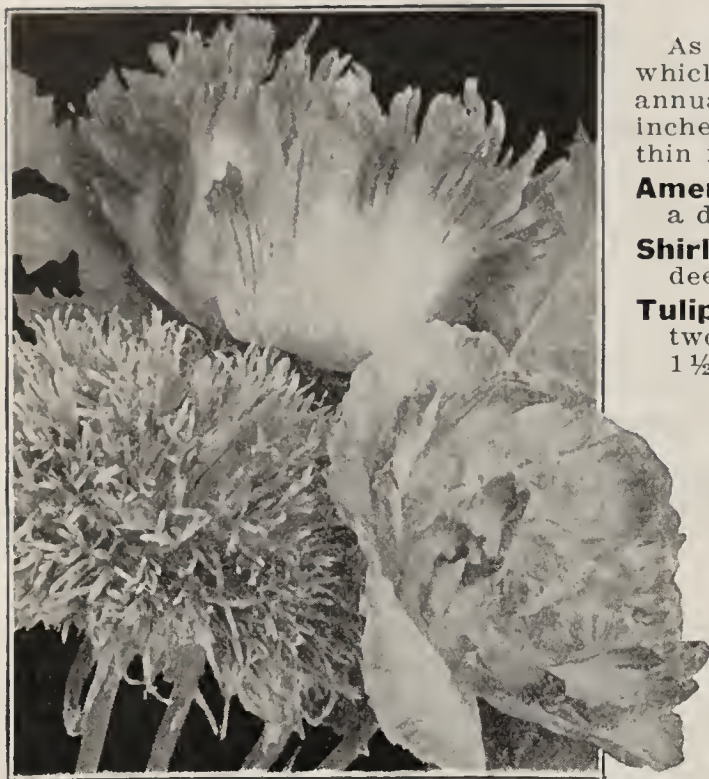
Fine Mixed. Good bright colors. Pkt., 5c; ½ oz., 40c.

DOUBLE PETUNIAS

Double Flowering, Fringed Mixed. It is well-known that seed saved from the most carefully hybridized flowers produce a large percentage of double flowers, the balance being single of unusually fine quality. Pkt., 35c.



Phlox Drummondii.



Single and Double Annual Poppies.

ICELAND POPPIES (Perennial)

Iceland Mixed. While these are hardy perennials, they flower the first year from spring sown seeds. They are of graceful habit, with fern-like foliage; the satin-like flowers are borne in endless profusion and are excellent for cutting. All summer. 1 foot. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

El Monte. This variety is a California introduction; comes true from seed; strong wiry stems for cutting. Deep tangerine. 1½ feet. Pkt., 15c.

PHYSOSTEGIA (Dragonhead) (Perennial)

Extremely beautiful with spikes of pink flowers, which are tube-shaped, similar to a tiny antirrhinum blossom. Fine for border and cutting.

Virginica. Dense bushes with spikes of pink tubular flowers. 3 feet. June and July. Pkt., 15c.

PLATYCODON (Wahlenbergia) (Perennial)

Bearing large, broad, bell-shaped blue flowers; very handsome for border or among shrubbery. June to September.

Grandiflora. Blue. 3 ft. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

POLEMONIUM (Jacob's Ladder) (Perennial)

Coeruleum. Popular border plant, with bell-shaped bluish-purple flowers nearly 1 inch across; 1 to 2 feet. April to June. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

PORTULACA (Moss Rose) (Annual)

Few flowers make such a dazzling display of color in the bright sunshine as a bed of portulacas. The glossy cup-shaped single flowers and rose-like double flowers, about one inch across, range through many shades of red, white, pink, orange, yellow, striped, etc.

Sow seed outdoors, after weather is warm and settled, where the plants are to stand, in rows one foot apart.

Large Flowering Single Mixed. Pkt., 5c; $\frac{1}{2}$ oz., 25c.

Double Fine Mixed. All colors mixed. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

POTENTILLA (Flowering Strawberry) (Perennial)

A beautiful border plant, flowers from yellow to bright red. Leaves resemble strawberry plants. An unexcelled plant for border naturalizing and rock work. June. 1½ feet. Double mixed. Pkt., 10c.

POPPIES (Annual)

As early in spring as ground can be worked sow the seed, which is quite small, where the flowers are to bloom, as the annual varieties do not bear transplanting. Make rows 15 inches apart and cover seed lightly. When 2 inches high, thin from 6 inches to 1 foot.

American Legion. This single poppy of the Shirley type is a dazzling orange-scarlet. 2 feet. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Shirley Mixed. Color, pure white to rose pink, carmine and deepest crimson. 20 inches. Pkt., 5c; oz., 25c.

Tulip Flowered Scarlet. Large, bright scarlet flowers. The two outer petals of the flower form a tulip cup. About 1½ feet. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

DOUBLE ANNUAL POPPIES

Double Shirley Mixed. Beautiful hybrids with large double and semi-double flowers in a wonderful range of colors. Pkt., 10c; oz., 35c.

Double Cardinal. Round as a ball. The flowers are of very large size and finely fringed. In color it is a glowing cardinal-red. 2 feet. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Double Carnation Flowered. Large, showy flowers. 2 feet. Mixed. Pkt., 5c; oz., 25c.

ORIENTAL POPPIES (Perennial)

Oriental Poppies should be sown in early spring in the open ground as soon as it is fit to work. The plants disappear during July and August, appearing again as soon as the weather gets cool. When this fall growth starts is the time they should be transplanted to their permanent flowering quarters. 2½ to 3 feet. May.

Dark Red. Extra large flowers. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

Orange Scarlet. Leafy stems about 3 feet high, with large orange-scarlet flowers; having a conspicuous black blotch on each petal. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Salmon Pink. Beautiful salmon-pink. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Oriental Hybrids Mixed. Saved from a large number of named sorts, embracing all of the colors. 2½ to 3 feet. Pkt., 10c; $\frac{1}{4}$ oz., 35c.



Portulaca.

PRIMULA (Primrose) (Tender Perennial)

Not easy to raise from seed.

Chinensis (Chinese Primrose). The choicest colors of the single flowering Primulas in all their dainty shadings. Pkt., 25c.

Obconica Gigantea Mixed. Pkt., 15c.

Malacoides. Delicate lilac. Pkt., 15c.

PRIMROSE (Perennial)

Spring-blooming plants. With a slight protection they will stand the winter, but will do better if protected by a cold frame. 6 to 12 inches.

Auricula. The fragrant flowers of many rich colors are borne in clusters. Pkt., 15c.

Polyanthus Veris. (Cowslip). Fine for pot, outdoor culture, or rock garden. 12 inches. Pkt., 10c.

Vulgaris. True yellow Primrose; rockery; 6 inches. Pkt., 15c; ¼ oz., 65c.

PYRETHRUM (Feverfew) (Perennial)

Roseum Grandiflorum Single Mixed. Flowers of enormous size, ranging from light pink to deep carmine; cutting. May to June. 2½ feet. Pkt., 10c; ¼ oz., 35c.

Hybridum Double Mixed. Seed saved from the finest double flowers; only a small percentage can be expected to come double the first year; 2 feet. Pkt., 15c; ½ oz., 50c.

Aureum (Golden Feather). Yellow foliage. Annual. Fine for edging. 1 foot. Pkt., 10c; ½ oz., 30c.

RICINUS (Castor Oil Bean) (Annual)

Zanzibariensis. Surpasses all in beauty of colors, which include glaucous-green, coppery brown, metallic red; 8 to 10 feet. Pkt., 5c; oz., 15c; ¼ lb., 50c.

Borboniensis arboreus. The tallest of the Ricinus. 10 to 15 ft. Pkt., 5c; oz., 15c; ¼ lb., 50c.

Red Spire. An effective variety, with bronzy green foliage and rosy crimson seed spikes. 6 feet. Pkt., 10c; oz., 25c.

Gibsoni. Purplish leaves. 5 feet. Pkt., 5c; oz., 15c; ¼ lb., 50c.

Mixed Sorts. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

ROSEMARY (Rosmarinus) (Perennial)

Officinalis. An old favorite aromatic herb, delightfully fragrant, flowers light blue, grows about 2 feet high. Leaves used for seasoning. Pkt., 10c.

RHODANTHE OR STRAWFLOWER

(Annual)

They flower early and continue for a long time, and are also used as pot plants. As an "Everlasting" for dried winter bouquets they are indispensable. 1 foot. Pkt., 10c; ½ oz., 25c.

RUDBECKIA (Coneflower) (Perennial)

Newmani. An effective sort, producing in masses during August and September brilliant orange-yellow flowers; 2 feet. Pkt., 10c; ¼ oz., 40c.

Purpurea (Giant Purple Coneflower). Large and showy, reddish purple flowers with dark brown disc; 3 feet. July and August. Pkt., 10c; ¼ oz., 40c.

Golden Glow. Extra double. An effective yellow flower during August and September. 6 feet. Pkt., 10c.

SALVIA (Scarlet Sage)

(Perennial but grown as Annual)

The Salvia is among our most popular and useful bedding plants. There is nothing more effective in the midsummer or fall than these bright scarlet flowers. Seed may also be sown in the open ground in May.

Early Souvenir. A very early variety and therefore most suitable for sowing out in the garden. Plants grow about 1½ feet high; spikes brilliant red flowers. Pkt., 25c; ½ oz., 75c.

America (Globe of Fire). Dwarf bushy habit. Plants grow about 16 inches high. Pkt., 15c; ½ oz., 35c.

Bonfire. Its erect spikes of brilliant scarlet flowers stand clear above the dark green foliage and completely cover the plant. 16 inches. Pkt., 10c; ½ oz., 30c.

Fireball. Splendid for beds or borders, of somewhat dwarf habit. 14 inches. Pkt., 15c; ½ oz., 35c.

Splendens Grandiflora. Scarlet. A rich-flowered border sort. 2 feet. Pkt., 10c; ¼ oz., 30c.

Zurich. Plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost. 12 inches. Pkt., 15c; ½ oz., 40c.

Farinacea. A perennial variety, but best treated as an annual, blooming from August to September from Spring sown seed; color, light blue; 3 feet. Pkt., 10c; ¼ oz., 35c.



Ricinus.



Pyrethrum Roseum Grandiflorum.



Salvia, America.



Schizanthus.



Salpiglossis.



Annual Scabiosa.

SALPIGLOSSIS (Painted Tongue) (Annual)

These are among our most beautiful annuals and are easily grown. They are most desirable for beds and borders. As cut flowers they are unsurpassed.

Large Flowering. Finely veined, yellow, rose, scarlet, blue and purplish violet are found in this mixture. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

SANVITALIA (Annual)

Procumbens fl. pl. Of dwarf compact growth; useful in rock work, beds and borders. Showy bright yellow, double flowers; in bloom all summer. 6 inches. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

SAPONARIA (Bouncing Bet) (Perennial)

Rose. Splendid rock plant; bright rose colored flowers. 1 foot. May and June. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

SCABIOSA (Mourning Bride) (Annual)

They grow about 2 $\frac{1}{2}$ feet high, and come into bloom early in July, and continue without interruption until hard frost. Excellent for cutting.

	Pkt.		Pkt.
Crimson	\$0.10	Lavender	\$0.10
Black-Purple ....	.10	Shasta White ....	.10
Rose .....	.10	Peach Blossom ...	.10
Mixed. Pkt., 10c; $\frac{1}{2}$ oz., 40c.			

Giant Cattleya. A rich rosy-lilac. A new shade in Scabiosa. A fine garden variety. Pkt., 10c.

Giant Loveliness. The blossoms range through varying tones of soft delicate salmon-rose. Pkt., 10c; $\frac{1}{2}$ oz., 40c.

HARDY PERENNIAL SCABIOSA

Isaac House Strain. Colors range from light lavender to dark blue; excellent for cutting. June and July. Pkt., 15c.

Caucasica (Blue Bonnet). Especially valuable for cutting; lilac-blue; June and July. 3 feet. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Columbaria. A low growing variety, with flowers measuring 2 to 2 $\frac{1}{2}$ inches across. Lavender and pink. Pkt., 15c.

SCHIZANTHUS (Annual)

Large-Flowered Mixed. Forming compact pyramidal plants about 16 inches high, literally covered with beautiful orchid-like flowers. Excellent for bedding and pot culture. Pkt., 10c; $\frac{1}{2}$ oz., 35c.

SEDUM (Stonecrop) (Perennial)

Charming plants for sunny positions in the rockery, etc., and the taller kinds make effective color groups in the border. They thrive in almost any soil. They are especially fond of sand and full sun, and may be considered the backbone of the American rock garden.

Spectabile. 18 inches. One of the prettiest erect-growing species, with broad, light green foliage and immense heads of handsome showy rose-colored flowers. Autumn. Pkt., 25c.

Coeruleum. A pretty spreading annual with dainty racemes of charming pale blue flowers. A splendid subject for the rockery. 3 inches. Pkt., 25c.

Perennial Mixed. Useful and pretty plants for the border, producing their interesting flowers from July to October. Pkt., 25c.

SENSITIVE PLANT (Mimosa Pudica) (Annual)

A curious and interesting plant with pinkish white flowers; the leaves close when touched or shaken. 1 foot. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

SHAMROCK (Tender Perennial)

True Irish. Small leaved. 6 inches. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

SHASTA DAISY (See Page 59)**SILENE (Catchfly) (Annual)**

Very pretty dwarf plants, used mostly for borders; thriving in almost any common soil and of easy cultivation. 12 inches. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

SMILAX (Greenhouse Climber) (Tender Perennial)

In many respects the Smilax is the most useful and it is certainly one of the most graceful climbers. 10 feet. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

SOLANUM (Jerusalem Cherry) (Tender Perennial)

Cleveland Red. A greatly improved form of this very useful pot plant for winter decoration. It is of dwarf, bushy habit; bearing bright scarlet globular berries. 1 foot. Pkt., 15c.

STATICE (Annual)

Extremely showy; with large clusters of blooms carried on graceful stems. The plants are easy to grow from seed and do well in almost any kind of soil. The flowers may be cut and treated like Everlastings, drying them in a cool and shady place. 2 1/2 feet.

	1/2 oz.	Pkt.
Sinuata Lavender	\$0.25	\$0.10
Sinuata Rose .....	.25	.10
Sinuata True Blue, Extra deep .....	.25	.10
Sinuata White .....	.25	.10

Bonduelli. The plants grow 18 to 20 inches tall and bloom profusely from July to October. The small flowers are borne in attractive clusters. Lemon-yellow in color. Pkt., 10c; 1/2 oz., 35c.

Suworowi (Russian Cat-tail). Forms a cluster of leaves on the ground and bearing tail-like spikes of rose-colored flowers. Pkt., 10c; 1/4 oz., 35c.

STATICE (Perennial)

Splendid either for the border or rockery, producing all summer panicles of minute flowers. June and July.

Latifolia. Purplish blue flowers. 1 1/2 feet. Pkt., 10c; 1/4 oz., 40c.

Dumosa. The finest Statice for drying. Used in immense quantities in wreaths and other floral work. Dumosa's individual florets are much brighter in color, clear silvery white when dry and lavender when fresh. 15 inches. Pkt., 15c.

Perezii. Rich bright blue. 20 inches. Pkt., 15c.

STEVIA (Annual)

Serrata. Free blooming plants for summer or winter; bearing a profusion of fragrant white flowers; excellent for cutting; 1 1/2 feet. Pkt., 10c; 1/4 oz., 35c.

STOCKS (Annual)
CUT-AND-COME-AGAIN

Splendid perpetual-blooming variety. 2 to 2 1/2 ft.

	Pkt.	1/8 oz.
Princess Alice, White	\$0.15	\$0.40
La France, Pale blush .....	.15	.40
Brilliant, Blood-red. ....	.15	.40
Rose .....	.15	.40
Sapphire, Dark blue .....	.15	.40
Creole, Creamy yellow .....	.15	.40
May Queen, Delicate lilac .....	.15	.40
Finest Mixed, All colors .....	.15	.40

GIANT BISMARCK 10-WEEK STOCKS

Growing from 24 to 30 inches tall, of branching habit, producing innumerable large spikes, coming into bloom in 10 to 12 weeks. Fine for cutting.

	Pkt.	1/8 oz.
Antique Copper, Hel- lebores-red	\$0.20	\$0.50
Golden Ball, Canary- yellow .....	.20	.50
Chamois, Ivory, tint- ed old rose .....	.20	.50
Blood Red, Fine ...	.20	.50
Lavender .....	.20	.50
Royal Purple .....	.20	.50
Rose, Deep rose-pink	.20	.50
White .....	.20	.50
Mixed .....	.20	.50

10 WEEK STOCK DWARF GERMAN

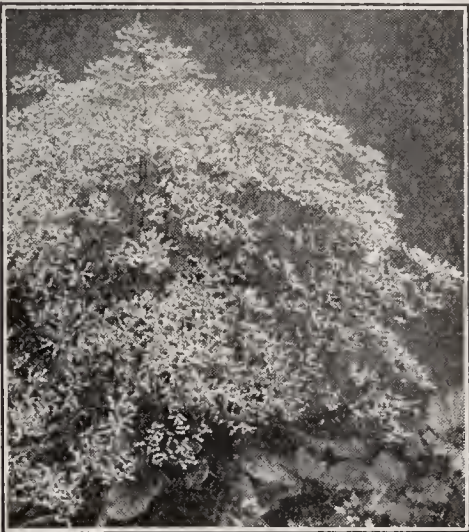
12 to 15 inches high, for bedding.

	Pkt.		Pkt.
Blood-red	\$0.10	Lavender	\$0.10
Bright Rose .....	.10	White .....	.10
Peach Blossom ...	.10	Mixed .....	.10

STOKESIA (Perennial)

Highly valuable for cutting, supplying a shade of coloring not overly plentiful at any season of the year.

Cyanea. (Blue). The earliest and best sort. 1 to 2 feet. June. Pkt., 15c; 1/4 oz., 35c.



Statice Latifolia.



Statice Sinuata.



Giant Bismarck Stocks.



Stokesia Cyanea.

Sunflower (Helianthus) (Annual)

Far superior to common Sunflowers. The large, rich golden yellow flowers are produced on each branch. Makes a beautiful hedge or border.

Golden Ball. Beautiful large double variety. 7 feet. Pkt., 5c; oz., 25c.

Dwarf Double. Similar to the above variety only of a dwarf nature. 3 feet. Pkt., 5c; oz., 25c.

Double Chrysanthemum-Flowered. A wonderful Sunflower with fully double golden yellow blooms like a giant Chrysanthemum. 7 feet. Pkt., 10c; oz., 35c.

SINGLE FLOWERING SORTS

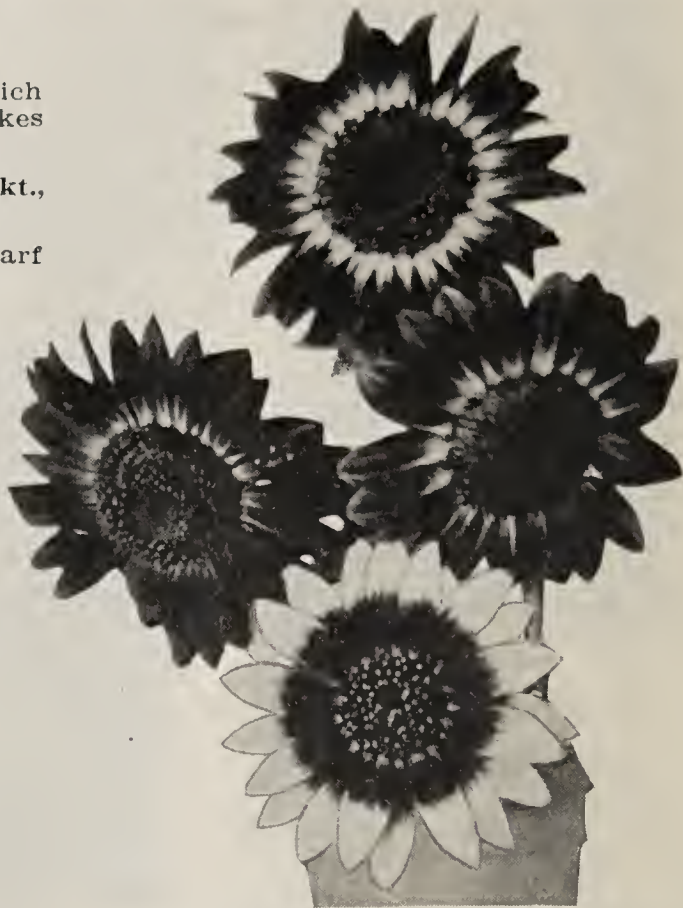
The single Sunflowers are indispensable for cutting. Sown on a sunny spot in April or May, they come into bloom early in summer.

Dr. Wilson's New Hybrids. A fine red and brown Sunflower for garden planting, grows about 4 to 5 feet tall. Pkt., 15c.

Dwarf Red. This Sunflower we believe to be of real merit, color red to brown red. 5 feet. Pkt., 10c; ½ oz., 25c.

Stella (Improved Miniature Sunflower). Flowers of the purest golden yellow, with black disc. 5 feet. Pkt., 10c; ½ oz., 25c.

Perennial Mixed. Perennial Sunflowers add a most distinctive touch to any garden. During the fall they provide a glorious show of yellow blooms. 4 to 5 feet. August and September. Pkt., 15c.



Dr. Wilson's New Hybrid Sunflower.

Spencer Sweet Peas (Annual)

The flowers are consistently of large size, with upright standards delicately waved or frilled, and graceful wings. Normally the blossoms are nicely placed on long, stiff stems in groups of three or more. Wherever the climate assures rather cool nights and days this type will flourish to perfection. 6 to 8 feet.

Early or Winter Flowering Spencers

While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom three or four weeks earlier than the regular Spencer type, and if the flowers are kept cut, they will continue to bloom for a long time.

	Pkt.	Oz.
Orange King. True glowing orange . . .	\$0.15	\$0.50
Eldorado. A pure orange-salmon . . .	.15	.50
Harmony. An exceptionally choice clear lavender . . . . .	.15	.50
Snowstorm. This is by far the finest of all white varieties . . . . .	.15	.50
Sweet Lavender. Pure lavender . . . . .	.15	.50
Vulcan. The color is the most vivid scarlet ever seen in sweet peas . . . . .	.15	.50
Yarrowa. Flowers exquisitely waved. Color a pleasing shade of bright rose-pink . . . . .	.15	.50
Zvolanek's Blue. Of the bluejay color, considered one of the very best blues. . . . .	.15	.50
Zvolanek Rose. Beautiful self rose color. Holds its color to the last and is a free bloomer . . . . .	.15	.50
Mixed. All colors, named varieties . . .	.10	.25

ST. L. S. CO.'S SPENCER MIXTURE

A mixture of the Giant Waved Spencer varieties in proper proportions of bright colors. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75.

SPENCER SWEET PEAS

	Pkt.	Oz.
Austin Frederick. Pure lavender. A dependable variety bearing large flowers	\$0.10	\$0.20
Charity. Pure crimson. This brilliant sort does not burn in the sun . . . . .	.10	.20
Constance Hinton. Blush before expanded; pure white when open . . . . .	.10	.20
Countess Speneer. Bright shade of pink . . . . .	.10	.20
Defiance. A brilliant orange-scarlet . . . . .	.10	.20
Elfrida Pearson. Giant shell-pink . . . . .	.10	.20
Margaret Atlee. Rosy salmon-buff . . . . .	.10	.20
Mrs. Cuthbertson Spencer. Rose-pink, wings white . . . . .	.10	.20
Mrs. Tom Jones. Deep amethyst blue. The finest deep blue variety . . . . .	.10	.20
Royal Purple Spencer. A rich purple . . . . .	.10	.20

ST. L. S. CO.'S "NOVELTY" COLLECTION

Ten big packets of the famous Spencer Varieties.

If you care at all for these pretty flowers, do not fail to save a place in your garden for our "Novelty" collections of Spencers. The cultural directions with each collection give full explanation how to grow these flowers to perfection. 10 pkts., 50c, postpaid.

PEAS (Perennial)

Lathyrus latifolius. An easily grown hardy perennial climber with smaller flowers. Excellent for cutting. 6 to 8 feet. July to October.

	½ oz.	Pkt.	½ oz.	Pkt.
Pink	\$0.25	\$0.10	White	\$0.25 \$0.10
Red . . . . .	.25	.10	Mixed . . . . .	.25 .10

STRAWFLOWER (Annual)

Not only decorative in the garden but when dried retain their color and make an effective winter bouquet. Pkt., 10c; ½ oz., 25c.

SWEET ROCKET (Hesperis) (Perennial)

An excellent perennial for naturalizing among shrubbery or for planting in a permanent border; fragrant white and purple flowers in mixture; 2 to 3 feet. Seed germinates readily in open ground if sown after danger from frost is past. Will bloom the first year if sown early. May and June. Fine Mixed. Pkt., 10c; ½ oz., 25c.

SWEET WILLIAM (Dianthus Barbatus) (Perennial)

A well known, extensively used, sweet scented perennial for bedding and borders, forming fine tufts. The florets are handsomely colored and marked and are borne on stiff stems in great profusion. The colors are exceedingly varied, ranging from white through many shades of rose, lilac, red, carmine, crimson and maroon. Excellent for cutting. May and June. 1½ feet.

Pink Beauty. In color it is what florists call watermelon-pink or salmony rose. Strikingly brilliant and beautiful. Pkt., 10c; ½ oz., 35c.

Newport Pink. Salmon-pink. Pkt., 10c; ½ oz., 35c.

Scarlet Beauty. A very effective rich, deep scarlet variety. Pkt., 10c; ½ oz., 35c.

Holborn Glory. This strain is a large-flowered selection of the auricula-eyed. Pkt., 10c; ½ oz., 35c.



Thalictrum.



Tritoma.

	Pkt.	½ oz.
Maroon	\$0.10	\$0.35
White .....	.10	.35
Single Mixed .....	.05	.25

Double Mixed. This mixture contains the finest colors. Pkt., 10c; ½ oz., 40c.

Annual Mixed. The old favorite Sweet William, as all know, does not flower until the second year from seed, but this new type commences blooming in early summer from spring-sown seed. Pkt., 10c; ½ oz., 40c.

THALICTRUM (Meadow Rue) (Perennial)

Hybridum. Very graceful plants. Excellent for the hardy border. Columbine-like foliage. Useful for making bouquets. 3 feet. June and July. Mixed. Pkt., 15c; ¼ oz., 50c.

THUNBERGIA (Blackeyed Susan) (Tender Perennial Grown as an Annual)

Mixed. Handsome foliage and flowers. Used for hanging basket. 4 ft. Pkt., 10c; ½ oz., 50c.

TITHONIA (Annual)

Speciosa (Mexican Sunflower). A tall growing plant with rich orange-red flowers. Splendid for clumps in tall borders. Height 8 feet. Pkt., 10c.

TORENIA (Annual)

Fournieri. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flower of a delightful blue. They are excellent for beds. 1 foot. Pkt., 15c.

TRITOMA (Red Hot Poker) (Perennial)

Pfitzer's Red. A free blooming hardy perennial; large spikes of flowers. An improved variety of the plant sometimes called Red Hot Poker. The handsome flowers are produced in large spikes of red flower tubes. Plant two feet apart. Tritomas are hardy when covered in winter. Pkt., 15c.

TUNICA (Perennial)

Saxifraga. A splendid dwarf creeping plant for borders and rock work with small delicate rose blooms. 10 inches. June to September. Blooms first year if sown early. Pkt., 10c.

URSINIA (Jewel of the Veldt)

Anethoides. Annual Daisy from South Africa, growing about 1 foot high. The orange colored flowers measure about 2 inches across, with deep purple center and feathery foliage. Excellent for bedding and cutting. July to September. Pkt., 15c.



Sweet Williams.

VALERIANA (Garden Heliotrope)
(Perennial)

Rubra Mixed. Hardy border plants; large fragrant flowers. Blooms first year if sown early. June. 2 to 3 feet. Pkt., 10c; ¼ oz., 25c.

VERBENA (Annual)

Verbenas usually flower well in August from seed sown in open ground in May. Germination will be hastened if the seed is soaked in lukewarm water before planting. Cover seed about one-fourth inch deep. When the young plants have three or four leaves transplant in rows two feet apart and about twenty-four inches apart in the row. Fine for beds and massing.

Beauty of Oxford Hybrids. A beautiful giant hybrid raised from a cross between Verbena Luminosa and Beauty of Oxford. Salmon-pink. Pkt., 25c.

Salmon Pink. A splendid giant flowering, true salmon-pink with white eye. Pkt., 10c; ¼ oz., 50c.

Dwarf Compact Fireball. Grows about 6 inches high and is literally covered with bright scarlet blooms; excellent for borders, beds or pot plants. Pkt., 25c.

VERBENA, Mammoth Grandiflora

	¼ oz.	Pkt.
Blue	\$0.50	\$0.10
Lucifer. Cardinal-red .....	.50	.10
Rosca Stellata. Rose-pink .....	.50	.10
Luminosa. Flame-pink .....	.50	.10
Golden Queen .....	.50	.10
White .....	.50	.10
Purple Mantle .....	.50	.10
Mixed .....	.50	.10
Auricula Fld. Mixed .....	.40	.10

Great Floral Clock Mixture. A splendid variety of compact growth with large trusses of all fine colored flowers. Pkt., 15c.

Fine Mixed. This extra choice mixture includes a wide range of very beautiful colors. Pkt., 5c; ½ oz., 40c.

VERBENA (Perennial)

Venosa. 1 foot. Largely used for bedding purposes, strong, thrifty growers, covered with bright purple and heliotrope flowers. June to October. Pkt., 10c; ¼ oz., 30c.

VERONICA (Speedwell) (Perennial)

Spicata. An elegant hardy border plant, growing about 1½ feet high, producing long spikes of bright blue flowers. June and July. Pkt., 15c; ¼ oz., 50c.

VINCA—PERIWINKLE (Annual)

These are very bright annuals which should be included in every garden. They are most attractive with their dark green glossy leaves and their beautiful and large flowers. Excellent for bedding and borders. The plants grow about 12 inches tall.

	¼ oz.	Pkt.
Rosea. Fine rose color	\$0.30	\$0.10
Rosca Alba. White, rosy eye .....	.30	.10
Alba Pura. Pure white .....	.30	.10
Mixed. All colors .....	.30	.10

VIOLET, Sweet Scented (Perennial)

Seed is of slow germination and should be sown in the Fall and left outdoors.

Viola Odorata (Semperflorens). Is the well known English Violet. Succeeds best in a partially shaded, moist place. 4 inches. April and May. Pkt., 10c ¼ oz., 40c.

VIOLA CORNUTA—
See Tufted Pansies, Page 71.

WALLFLOWER (Annual)

The plants grow to a height of 1½ to 2½ feet.
Early Wonder Mixed. The seed we are offering this season has been produced from special stock seed. Will bloom in about 90 days from time of sowing. Pkt., 25c; ¼ oz., 40c.

WALLFLOWER (Perennial)

They flower early, and are often called the true "harbingers of spring." They thrive in poor soil, but are not hardy and should be sown in a cold frame during the autumn months and transplanted to the open ground in the spring. 1½ to 2 feet.

	Pkt.
Double Mixed	\$0.15
Single Mixed. ½ oz., 30c .....	.10

WAHLENBERGIA See Platycodon, page 74.

WOOLFLOWER, CHINESE (Annual)

Plants grow two to three feet high, the bloom starting early with a central head, round and globular. Start seed, if convenient, under glass about four weeks before time to transplant to the garden. For beds and borders.

	Pkt.	¼ oz.
Crimson	\$0.10	\$0.40
Pink .....	.10	.40
Mixed. All colors .....	.10	.40

WILD CUCUMBER (Annual)

Rapid-growing annual climber. Has beautiful foliage and pretty fragrant white flowers. 15 feet. Pkt., 10c; oz., 25c.

WILD GARDEN FLOWER MIXTURE

We offer a mixture of the easiest and surest growing kinds that can be sown broadcast, and with little or no care will produce a bright effect.

	Pkt.	Oz.	Lb.
Annual Mixed	\$0.10	\$0.25	\$2.50
Perennial Mixed .....	.10	.50	6.75



Verbena.

Chinese Woolflowers.

Double Wallflowers.

St. Louis Seed Co.'s Selected Zinnias

(Youth and Old Age) (Annual)

One of the most popular and most extensively used of all our hardy annuals. The following list comprises a very choice strain of large variety and of the most brilliant colors. Requires but little attention; will grow in any good garden soil.

DOUBLE DAHLIA-FLOWERED ZINNIA

This new giant flowered type has petals which overlap in such a manner as to give the flowers the appearance of a decorative Dahlia. 3 feet.

- Canary Yellow.** Pkt., 15c; ¼ oz., 35c.
- Crimson Monarch.** Flowers often six inches in diameter. Pkt., 15c; ¼ oz., 35c.
- Dream.** A fine, deep lavender, turning to purple. Pkt., 15c; ¼ oz., 35c.
- Exquisite Rose.** Color light rose with center a deep rose. Pkt., 15c; ¼ oz., 35c.
- Old Gold.** Glowing shades of old gold. Pkt., 15c; ¼ oz., 35c.
- Golden Dawn.** A beautiful golden yellow. Pkt., 15c; ¼ oz., 35c.
- Illumination.** Striking self-color of deep rose. Pkt., 15c; ¼ oz., 35c.

- Luminosa.** Bright pink. Pkt., 15c; ¼ oz., 35c.
- Meteor.** A rich, glowing deep red. Pkt., 15c; ¼ oz., 35c.
- Oriole.** Orange and gold bicolor. Pkt., 15c; ¼ oz., 35c.
- Polar Bear.** Pure white. Pkt., 15c; ¼ oz., 35c.
- Purple Prince.** A fine, deep purple. Pkt., 15c; ¼ oz., 35c.
- Scarlet Flame.** Bright scarlet, with a delightful blending of orange. Pkt., 15c; ¼ oz., 35c.
- Dahlia-Flowered, Mixed.** Fine mixture of the very best colors. Pkt., 15c; ½ oz., 65c.

DWARF DOUBLE

Forming bushy, compact plants not over 2 feet high. **Mixed.** Pkt., 5c; ½ oz., 25c.

MAMMOTH DOUBLE ZINNIAS

The flowers are borne on long, stiff stems, of a semi-globular form, are mostly very double and together with their immense size, produce a very marked effect. 2 to 3 feet.

	½ oz.	Pkt.		½ oz.	Pkt.
Purple	.....\$0.50	\$0.10	Rose	.....\$0.50	\$0.10
Scarlet	......50	.10	Orange	......50	.10
Red	......50	.10	Salmon Pink	....50	.10
White	......50	.10	Mixed, All colors	.50	.10
Golden Yellow	.50	.10			

1 pkt. each of above 8 varieties, 50c.

ZINNIA ELEGANS CUT-AND-COME-AGAIN

A group with double, perfectly formed, medium sized flowers with long stems; exceptionally fine for cut flowers. 2 feet.

	½ oz.	Pkt.		½ oz.	Pkt.
Bright			Salmon		
Scarlet	\$.050	\$0.10	Rose	\$.050	\$0.10
Crimson	..50	.10	White	....50	.10
Golden			Mixed	....50	.10
Yellow	.50	.10			

Pinkie. Medium sized flowers of a light rose-pink. Height 2 feet. Pkt., 10c; ¼ oz., 75c.

DOUBLE LILLIPUT OR POMPON ZINNIAS

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small densely double flowers on long stems, held well above the foliage.

	½ oz.	Pkt.		½ oz.	Pkt.
Scarlet Gem	\$0.50	\$0.10	Crimson		
Rosebud.			Gem	....50	.10
Rose-pink.	.50	.10	White	....50	.10
Canary			Valencia.		
Yellow	...50	.10	Burnt		
Golden			orange	...50	.10
Yellow	...\$.50	.10	Finest		
Salmon Rose	.50	.10	Mixed	...50	.10
Lilac Gem	..50	.10			

VARIOUS ZINNIAS

Picotee Salmon Rose. This is an extra select strain of light and deep salmon shades. A fine cut flower. 2 feet. Pkt., 15c; ¼ oz., 50c.

Picotee Delight. Of pleasing colors. 2 feet. Finest Mixed. Pkt., 15c; ¼ oz., 50c.

Zinnia Crown o' Gold Mixture. Each petal of the flower is overlaid with a deep golden yellow at the base, mixed colors. 2 ft. Mixed, pkt., 15c; ¼ oz., 50c.

CURLED AND CRESTED

The petals of this beautiful strain are twisted, curled and crested. 2½ feet. Mixed, pkt., 10c; ½ oz., 40c.



Zinnia, Double Lilliput. Fine for cut flowers.

DEPENDABLE POULTRY SUPPLIES



MOE'S OATS SPROUTER
Total height of frame, 3 feet.
Size of pans 16 inches by 18 inches. Packed knocked down, one in a crate.
No. 110. Moe's Oats Sprouter.
Each, \$4.00.



MOE'S PIGEON FEEDERS
Made of heavy galvanized iron, with feeding holes spaced all around hopper.
No. 106. 6-quart capacity.
Shipping weight, 4 lbs.
Each\$1.00



Sanitary Drinking Fountain

SANITARY EARTHEN FOUNTAINS
Constructed of white stoneware, in two parts, so that it can be easily filled and cleaned.
1 Quart, Each, \$0.40; doz., \$ 4.75
2 Quart, Each, .60; doz., 7.00
1 Gallon, Each, .80; doz., 9.50
2 Gallons, Each, 1.00; doz., 11.00



MOE'S GEM CHICK FOUNTAINS
A good inexpensive fountain for chicks or grown fowl. Made of galvanized steel.
Each
No. 158. 1 Gallon\$0.50
No. 159. 2 Gallons ...\$0.70



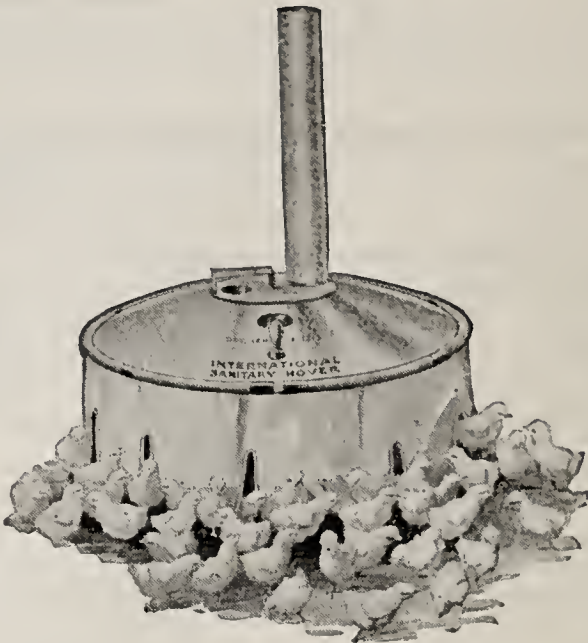
MOE'S BOTTOM-FILL FOUNTAINS
The round shape prevents bursting from freezing. The cone-shaped top prevents chickens from roosting thereon. Made of best quality galvanized.
Shipping Weight Each
No. 19. 1 Quart1 lb. \$0.25
No. 20. 2 Quarts. 2 lbs. \$0.30

MOE'S WINTER FOUNTAIN
A simple and reliable fountain with a heater.
The fountain has a capacity of 5 gallons, and the lamp holds sufficient kerosene to burn continuously for one week.
No. 75. Winter Fountain....Each\$3.40
Heater only, shipping weight, 5 lbs. 1.50

MOE'S TOP-FILL CLEANABLE FOUNTAINS (With Round Pans)
Made of heavy galvanized steel, with double walls, which keeps the water cool in summer, and retards freezing in winter.
Shipping Weight Each
No. 33. 2 Gallons7 lbs. \$1.65
No. 34. 4 Gallons9 lbs. \$2.10

THERMOMETERS
Brooder Thermometers, 50c each.
Tested Incubator Thermometers, 75c each.

NEST EGGS
China Nest Eggs. Made of white porcelain, natural in appearance. 30c doz.
Lice Repelling White Nest Eggs. Made of naphthalene. 60c doz.



INTERNATIONAL SANITARY HOVER
A brooder is an artificial hen. Its purpose is to perform the duties of a mother hen toward the chicks so far as the hovering is concerned. Baby chicks spend the day running in and out under the hover to get warmth when chilly and to scratch for food. This gives them plenty of fresh air. Price, \$13.50.



LAWN PARK EXTENSION COOP
This coop is a combination closed and open air coop. The wire extension has no bottom. This allows the hen and little chicks to scratch and pick on the ground.
Size of coop extended, 46 inches by 20 inches and 18 inches high. When closed 24x20x18 inches.
Each\$2.50

ECONOMY TRAP NEST FRONT
Can be easily fitted to any orange or ordinary wood box or coop and gives the breeder the opportunity to use a size nest adaptable to his birds.
Trap nest front. Shipping wt., 2 lbs. Each\$0.50
Per dozen. Shipping wt. 20 lbs. 6.00

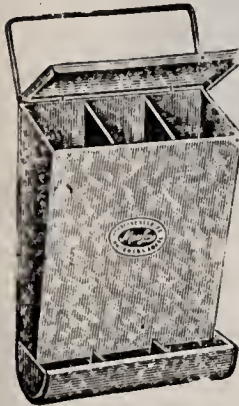


MOE'S STAR FOUNTAIN AND FEEDER
The latest improved type of Mason jar founts. Made of single piece of heavy, non-rusting material.
PriceEach 10c; Doz., \$1.20
Shipping weight, per dozen, 4 pounds.
We do not furnish jars.

MOE'S DRY MASH HOPPERS

A dry Mash Hopper of great merit, made of heavy galvanized iron. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper—larger at bottom—prevents the feed from clogging.

	Height	Width	Each
No. 35.....	19 in.....	8½	\$1.00
No. 36.....	19 in.....	12 in	1.50
No. 13.....	19 in.....	18 in	1.75
No. 37.....	19 in.....	24 in	2.00



GRIT AND SHELL BOXES

The feeding of grit, ground shells, and charcoal is now recognized as an essential part of the diet, to keep fowls in healthy, prime condition.

Made of heavy galvanized iron in three sizes. No. 45 for baby chicks has a square bottom, the other sizes have round bottoms.

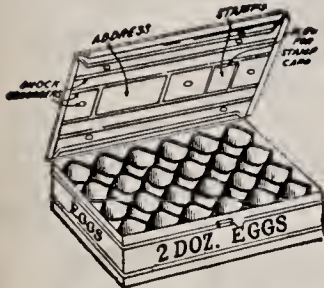
	Compartments	Each
No. 45.....	Two	\$0.35
No. 9.....	Three	.65
No. 90.....	Four	.90

No. 9 Grit and Shell Box

FARMER'S FRIEND EGG CARRIER

The Farmer's Friend Egg Carrier is made with patent lid fastener and equipped with handle.

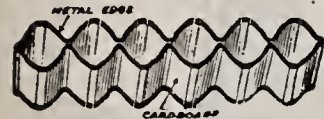
	Weight	Each
6 doz.....	\$1.00	5 lbs.
9 doz.....	1.10	6½ lbs.
12 doz.....	1.20	8 lbs.
15 doz.....	1.30	9 lbs.



METAL EGG CARRIERS

These carriers assure safe delivery of eggs no matter how far they are sent, being made entirely of metal.

	Each	Weight
2 doz. eggs..	\$1.25	4 lbs.
3 doz. eggs..	1.50	4 lbs.
4 doz. eggs..	1.75	5 lbs.
6 doz. eggs..	2.00	6 lbs.
9 doz. eggs..	2.50	8 lbs.
12 doz. eggs..	3.00	10 lbs.



PIGEON NESTS

Made of galvanized iron. Diameter 8 inches with a small hole punched in center so it can be tacked to a board. Generally used in pairs.

No. 107. Pigeon Nests.	
Each	15c

PETTEY'S PUNCH

With this small punch you can make a small hole thru the web between the toes of the chicks. 15c.

SPIRAL LEG BANDS

	12	25	50	100
No. 4. Baby Chicks	\$0.10	\$0.15	\$0.25	\$0.40
No. 6. Pigeons .....	.10	.15	.25	.45
No. 9. Mediterranean ....	.10	.20	.30	.50
No. 11. American .....	.15	.20	.35	.60
No. 12. Asiatics .....	.15	.25	.40	.70

"BANDETTES"

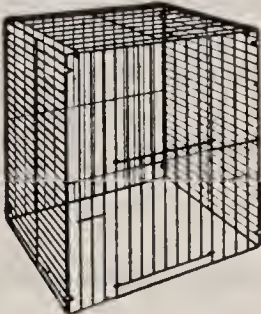
Bandettes come in the following colors: Red, blue, green, yellow and pink. Two sizes: Mediterranean (Leghorn) and American (Rocks). 25 for 60c; 50 for \$1.10; 100 for \$2.00; 500 for \$9.50.



EXHIBITION COOPS

The middle partitions are woven close so the birds cannot fight when close together.

Single coop, 24x24x27 inches high. Each \$1.75; Dozen, \$20.00.
Pen, 48x24x27 inches high. Each \$3.00
Exhibition coop cups. Each \$0.10



FELT LAMP WICKS



	Width	For Burner	Per Dozen
No. 208.....	5/8 in.....	No. 1.....	\$0.25
No. 209.....	7/8 in.....	No. 2.....	.45
No. 210.....	1½ in.....	No. 3.....	.55

MOE'S ROUND BABY CHICK FEEDERS

The top fits snugly, yet the feeder can be easily taken apart for cleaning and filling. It is a great food saver, as the chicks cannot get into the feeder and contaminate the food. The chicks cannot upset it.

No. 11. Diameter, 6 in.	
Each	\$0.10
No. 12. Diameter, 8¾ in.	
Each	.15



HANDLED SCRAPER



The toothed or rake edge is excellent for cleaning sand or sifted ashes on drop boards. Length of blade, 9½ inches. Width, 4 inches.
No. 51 Handled Scraper.
Each \$0.35

MOE'S LARGE CAPACITY FEEDERS

No. 140. Made of heavy galvanized iron. Length 21 inches. Width 8½ inches. Height 7 inches. Capacity 10 quarts. 32 feeder openings. Shipping weight, 5 pounds.

Price, each	\$0.75
No. 141. Made of heavy galvanized iron, capacity 17 quarts; length, 35 in.; width, 8½ in.; height, 7 in.	
Each	\$1.25

MOE'S DOUBLE FEEDING TROUGHS



Made of the best quality galvanized iron. Double trough, with sliding top, easily filled and cleaned. Accurately stamped with dies. No rough edges.

No. 58. Length 12 in., Each	\$0.25
No. 59. Length 18 in., Each	.30
No. 60. Length 24 in., Each	.50
No. 76. Length 36 in., Each	.50

MOE'S ECLIPSE FEEDING TROUGHS

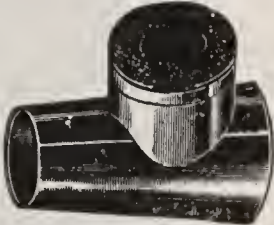
The pan and top are both stamped in one piece, no seams, rivets or solder used. Sliding top makes them easy to fill and keep clean. Made in two sizes.

No. 27.....Length 10 in.....	1 lb.....	Each	\$0.15
No. 28.....	20 in.....	1 lb.....	Each .25

HANDY EGG TESTER

This Egg Tester is designed for use on ordinary hand lamp, and fits over any style of burner.

Each	\$0.25
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ALUMINUM LEG BANDS



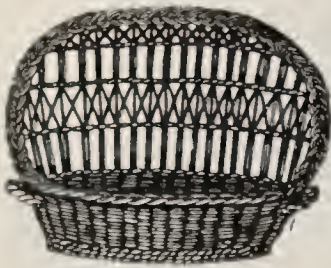
12 bands.....	\$0.15	100 bands	\$0.65
25 bands.....	.25	500 bands	3.00
50 bands.....	.40	1000 bands	5.50

MOE'S LAMP BOWLS

No. 100 Lamp Bowl. Diameter 6 in. Height 1½ in. Has a side handle. Takes size 1 burner. This the same bowl as used in our No 10 Fountain Heater. \$0.50.

No. 101 Lamp Bowl. Diameter 6¾ in. Height 2¼ in. Takes size 2 burner and size 2 chimney. \$0.60.

No. 102 Lamp Bowl. Diameter 8 in. Height 2¾ in. Takes size 3 burner and size 3 chimney. \$0.75.
Chimney for No. 1, 2, 3. Burner. Each, 15c.



WILLOW SLEEPING BASKETS

For Dogs and Cats. Keeps Them from Sleeping on Beds, Chairs, etc.

	Long	Wide	Price
No. 1—Tiny	16 in.	11 in.	\$2.25
No. 2—Small	17 in.	12 in.	2.75
No. 3—Medium	19 in.	13 in.	3.25
No. 4—Large	22 in.	14 in.	3.75
No. 5—Extra Large	24 in.	16 in.	4.25

DOG CARRYING BASKET

Made of French imported willow ware. Light in weight. These baskets have a door in the side and are ideal for carrying a dog. Made in three sizes.

	Long	Wide	High	Price
No. 1	17 in.	10½ in.	10 in.	\$3.00
No. 2	19 in.	13 in.	11 in.	4.25
No. 3	22½ in.	15 in.	14 in.	5.50



HORN WHISTLE

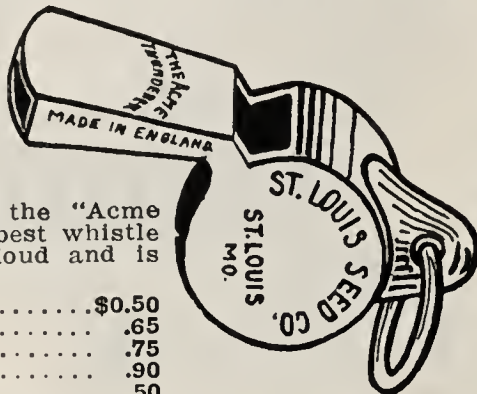
These whistles are made of buffalo horn and serve very well for hunting dogs that do not go wide. They are not as loud as the "Acme Thunderer" but many sportsmen like them because there is no danger of their freezing to one's lips in cold weather.

Buffalo horn whistle. Postpaid\$0.40
Dog Head horn whistle. Postpaid .. .40

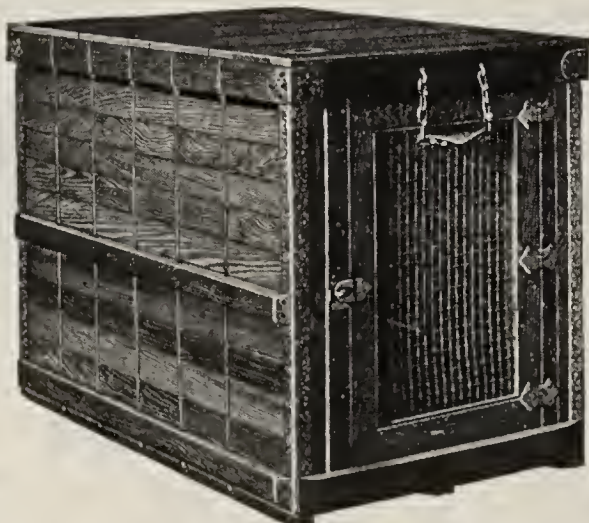
"ACME THUNDERER" WHISTLE

We believe that the "Acme Thunderer" is the best whistle made. It is very loud and is easy to blow.

Small whistle	.....\$0.50
Medium whistle	......65
Large whistle	......75
De Luxe whistle	......90
Acmeiod (Bakelite)	......50



BACKUS UTILITY DOG SHIPPING CRATE



Corners are ironed and riveted and will not pull apart. Heavy iron mesh in door and opening in back for ventilation. Light in weight and stands the roughest usage.

Inside Measurements			
	Long-wide-high	Weight	
No. 91—24 x 16 x 18	24 lbs.	\$10.00
No. 92—30 x 18 x 22	37 lbs.	11.50
No. 93—36 x 22 x 26	47 lbs.	12.50
No. 94—42 x 24 x 32	60 lbs.	17.50

BACKUS PULLMAN CRATE



For Shipping Dogs with Greatest Possible Convenience, Comfort, and Luxury—Handsome Dog Crate Made.

Inside Measurements			
	Long-wide-high	Weight	
No. 1—24 x 16 x 18	30 lbs.	\$27.50
No. 2—30 x 19 x 22	37 lbs.	28.50
No. 3—36 x 22 x 26	56 lbs.	29.50
No. 4—42 x 24 x 32	73 lbs.	36.50
No. 6—33 x 26 x 28	62 lbs.	34.50

Size Shipping Crates to Order

- No. 1—Pullman or No. 91 Utility— For Fox, Boston, Scotch and Skye Terriers, Cocker Spaniels, Bull-dogs, Beagles and the like.
No. 2—Pullman or No. 92 Utility—For Bull, Irish and Airedale Terriers, and small size Pointers, Setters, and Collies.
No. 3—Pullman or No. 93 Utility— For Setters, Pointers and Collies.
No. 6—Pullman—For two Pointers, two Setters, or two Collies.
No. 4—Pullman or No. 94 Utility—For Greyhounds, Wolfhounds, Police Dogs, and small Great Danes.

"HUNTER STYLE"

Made only in one size for Setter or Pointer dog. Place for dog measures inside, 36 in. long, 21 in. wide, 26 in. high. Compartment on top measures inside, 33 in long, 21 in. wide, 6 in. high.
Each\$30.00

BLANKETS

10-in.	.....\$1.50	16-in.	.....\$2.75
12-in.	..... 1.75	18-in.	..... 3.25
14-in.	..... 2.25	20-in.	..... 3.75

DOG MATS

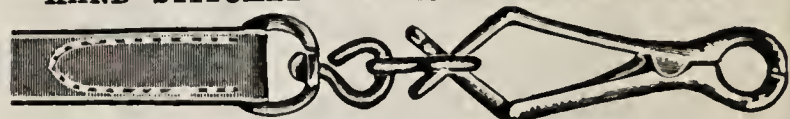
Every Dog Should be provided with a comfortable, sanitary bed. For the health and well-being of your dog.

- Small Size. For dogs the size of the average Boston Terrier\$5.00
Medium Size. For Dogs the size of the average Airedale 7.00
Large Size. For dogs the size of the average Shepherd... 9.00
Deodorizer (Liquid treatment) 16-oz. can 1.00



LEATHER LEADS

HAND STITCHED—IMPORTED FRENCH SNAP



Made of Best Bridle Leather

	Flat Round		Flat Round
¼-inch	.....\$1.00 \$1.75	½-inch	.....\$1.25 \$2.50
⅜-inch	..... 1.15 2.00	⅝-inch	..... 1.40 3.00
		¾-inch	..... 1.55 3.25

PLAYTHINGS FOR YOUR DOG

- Spratt's Sorbo Ball. A rubber ball of great toughness. Excellent for retrieving, spongy center will not hurt dog's teeth. Price, 40c, postpaid.
Rubber Bone. An exact imitation of a bone, made of rubber. Excellent for teething pups or for retrieving. Price, 25c, postpaid.
Sani-Bone. A real smooth bone, boiled in salts and oil to give it additional toughness. Appreciated by all dogs. Price, 65c, postpaid.
Large Katnips. Shaped like a cat-head. Made of tough rubber. Has whistle inside. A most interesting plaything. Price, \$1.00, postpaid.
Small Katnips. Price, 50c, postpaid.

SPRATT'S WIRE DOG BRUSHES

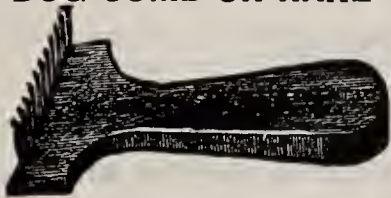


- All wire, 3 1/4 inches by 6 inches\$1.25
- Wire and fiber, 3 1/4 inches by 6 inches 1.25
- No. 28. Wire and hair, 2 1/2 inches by 5 1/4 in. . . 1.50

PENETRATING BRUSH FOR DOGS
(Domestic)

Leather, small size, 3x6\$1.50
Made from best quality gray Russian Akatka
bristles. The best all-round brush ever offered to
the public.

DOG COMB OR RAKE



Single or double rows of teeth. Especially suited
for French Poodles and rough-coated dogs.
Each, single, \$1.00; double, \$1.25.

COMBINATION DOG BRUSH AND COMB



Most suitable for rough-coated dogs, horses'
manes, etc. Invaluable to the kennel and stable.
Each\$1.50

NICKEL-PLATED NAIL NIPPERS
(As Illustrated)



- No. 665. Domestic \$1.25
- Spratt's Nail Nippers 2.25

FRENCH PATENT SNAPS

- No. 0. (Tiny) Each\$0.20
- No.1. (Small) Each25
- No. 2. (Medium) Each30
- No. 3. (Large) Each40

DOG GLOVES



Unrivalled for producing a healthy, sleek, and
glossy surface on the coats of Greyhounds, Fox-
hounds, Bulldogs and other smooth coated dogs.
When ordering single glove specify whether
right or left-handed glove is desired.
Hair on two sides\$2.50
Hair on one side only1.25
Washing gloves40

SPRATT'S WIRE FIBRE DOG GLOVES



The advantages claimed by this glove are effi-
ciency, cleanliness and durability. Especially suit-
able for Greyhounds, Cocker Spaniels, Bulldogs,
Great Danes, Shepherds and Wire-haired Dogs.
Each\$2.50

PATENT FLEXIBLE DOG BRUSH

Especially suitable for Greyhounds, Danes and
close-coated dogs. This brush, which is made from
flexible wire, with a rubber back, commends itself
to all exhibitors of Show Dogs, and others.
Each\$1.75

WALLEY'S DRY CLEAN PATENT DOG
BRUSH

Walley's Brush and metal holder, complete ..\$1.50
Antiseptic dry clean powder, per tin30

SPRATT'S DOG COUPLES (Imported)
Order by Number.



	No. 00	No.1	No. 3
Suitable for	Toy	Large	Bull
	Dogs	Terriers	Dogs
Nickel-plated	\$1.00	\$1.00	\$1.25
	No. 0	No. 2	No. 4
Suitable for	Small	Collies,	Great
	Terriers	Setters	Danes
Nickel-plated	\$1.00	\$1.00	\$1.75

COMBS

Best Nickel-Plated Steel Combs (Imported)



7 inches long

- No. 1. Coarse teeth\$1.60
- No. 2. Medium teeth1.60
- No. 3. Coarse and fine teeth1.60
- No. X. Very coarse1.60

These are suitable for Collies, Setters, etc.



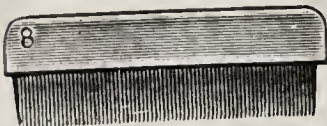
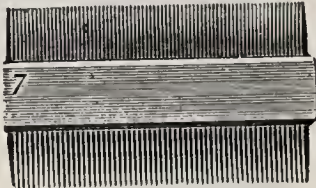
4 inches long

- No. 4. Coarse\$1.00
- No. 5. Medium1.00
- No. 6. Fine1.25
- No. 0. Flea comb1.25

These are suitable for Terriers, Spaniels, etc.

No. 6 is the celebrated flea comb used on cats and dogs, recommended by leading breeders.

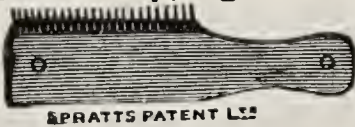
- No. 7. Nit comb, double row teeth, one side fine teeth, other side very fine\$1.50



- No. 8. Tiny comb. Very fine teeth\$1.00
- No. S. Flea comb. Long teeth1.25

Note: We can recommend Nos. 7 and 8 as being most effective for ridding short-haired cats and dogs of fleas.

Solid Steel Stripping Comb No. 9



- No. 9. Solid steel stripping comb for Terriers, etc., each\$0.85
- No. 14. Stripping comb, same as No. 9, but has teeth on two sides, with leather case ... 1.25

Solid Steel Stripping Comb with Horn Handle No. 10



Very fine short teeth, most suitable for combing Fox and Irish Terriers, each.....\$1.50

Combination Pocket Terrier Stripping Comb and Knife

This combination stripping comb surpasses anything introduced for kennel convenience where rough or wire haired dogs are cared for. As illustrated, each \$1.75



Stripping Combs

- Taylor Adjustable, Single\$1.75
- Taylor Adjustable, Double2.00
- No. 11. Folding1.60

Nickel-Plated Steel Flea Comb with Wood Handle



- No. 6A. Each\$1.75

Imported Steel Comb No. 9

(Nickel-plated), with handle, for rough-coated dogs\$1.25

BRUSHES

Special Brush for Toy Dogs and Cats



An imported brush for Yorkshire Terriers and silky-coated toy Dogs and Cats. Made from the best Russian bristles. Will last for years.

- No. 58A. White Bristle, as illustrated\$3.25
- No. 59B. Black Bristle, as illustrated2.25
- No. 60. Gray Bristle, as illustrated2.00
- No. 59A. White Bristle, large3.25

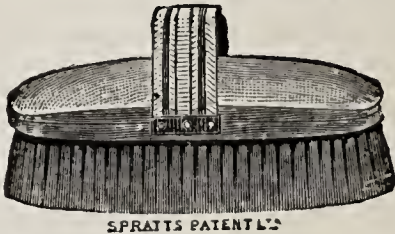
Slanting Bristle Brushes



These brushes are invaluable for Bulldogs, Terriers and other smooth-coated dogs.

- No. 1-25. Slanting Bristle Brush, with handle (as illustrated)\$1.50
- No. 22. Slanting Bristle Brush, small (as illustrated)1.50

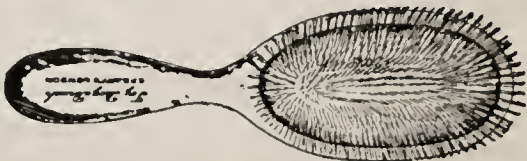
Whalebone Brushes



Suitable for Collies, St. Bernards, Setters, and other rough coated dogs.

- No. 38X. (As illustrated)\$2.00
- No. 9. (With handle)1.75
- No. 42.1.50
- No. 40. (With handle)1.50
- No. 50. (Small for Terrier)85

The "Pneumatic" Toy Dog Brush No. F-131



With handle. Stiff bristles, in rubber. As illustrated. Each\$2.25

SPRATT'S FOODS FOR DOGS

"THE BACKBONE OF THE CANINE RACE." If wanted by mail, add postage.

- Spratt's Fibo.** A unique food containing a larger percentage of Spratt's world famous Meat-Fibrine. **Cartons, 40c; bags, 5 lbs., 80c; 10 lbs., \$1.55; 25 lbs., \$3.35; 50 lbs., \$6.35; 100 lbs., \$12.50.**

Spratt's Meat Fibrine Puppy Biscuits. A complete and perfect food for puppies from weaning time onward, and for small breeds. **Cartons, 40c and 75c; bags, 5 lbs., 70c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$5.70; 100 lbs., \$11.25.**

Spratt's Meat Fibrine Dog Cakes. For 60 years the standard dog food, used by the leading breeders and fed at the principal dog shows throughout the world. **Cartons, 35c and 75c; bags, 5 lbs., 60c; 10 lbs., \$1.15; 25 lbs., \$2.75; 50 lbs., \$5.45; 100 lbs., \$10.75.**
- Spratt's Plain Puppy Meal.** The standard weaning food. This meal should be used before, during, and after the weaning period. **Cartons, 30c; 5 lbs., 65c; bags, 10 lbs., \$1.25; 25 lbs., \$2.60; 50 lbs., \$4.95; 100 lbs., \$9.75.**

Spratt's Rodnim. The twice-a-week change from hard biscuit. Rodnim can be given dry, soaked in water, broth or gravy, or mixed with boiled chopped green vegetables. **Bags, 5 lbs., 80c; 10 lbs., \$1.55; 25 lbs., \$3.25; 50 lbs., \$6.05; 100 lbs., \$11.90.**

Spratt's Ovals (The Pocket Dog Biscuit). A small Meat-Fibrine Dog Biscuit, suitable staple diet for small dogs. **Cartons, 40c; bags, 5 lbs., 70c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$5.70; 100 lbs., \$11.25.**

CANNED MEAT FOODS FOR DOGS

VIRGIE'S DOG FOOD



Virgie's Dog Food is a complete balanced combination of beef and cereals, all in one can. Dogs take readily to Virgie's and never tire of it. A soup can be made of it and poured over Spratt's Kibbled Biscuits, making a toothsome, wholesome food. Some of the largest kennels in the country are feeders of Virgie's Dog Food. **Price, per 1-lb. can, 10c; per case (48 1-lb. cans), \$3.75.**
By mail, add postage.

LIV-VITA

Liv-Vita is a medicated food for sick or run-down dogs. The base of Liv-Vita is liver which increases the red blood count. In addition Liv-Vita contains vitamin A and D, as well as all the minerals essential to the good health of your dog. If you have a dog that is in poor shape, we urge you to try Liv-Vita and feel sure you will be delighted with the results. **Price, 8-oz. can, 20c; per case (12 8-oz. cans), \$2.25. 1-lb. can, 35c; per doz., \$4.00.**

SPRATT'S DOG REMEDIES

(Price includes Postage, Except where Noted)

- Sulfur Tablets\$0.60
- Tablets for Dogs or Puppies showing a tendency to weakness in joints60
- Aperient Biscuits60
- Wheezing Tablets60
- Stomach Sedative Tablets60
- Calcium Phosphate75
- Canine Elixir 1.00
- Cod Liver Oil Capsules, for the purpose of overcoming Vitamins A and D deficiencies, resulting perhaps, from lack of sunshine, etc.60
- Nerve Sedative Tablets60
- Alterative Tablets60
- Cough Tablets60
- Chemical Mixture 1.00
- Tablets for Constipation60
- Digestant Tablets60
- Astringent Tablets for Dogs60
- "Special" Tablets —A Diuretic and Stimulant ... 1.00
- Dip Disinfectant60
- Ear Canker Ointment75
- Eye Lotion Tablets60
- Ointment for superficial varieties of Mange and certain forms of Eczema60
- Flea Powder30
- Salve for the Hair60
- Special Cathartic Tablets for stimulating flow of bile60
- Diuretic Tablets60
- Liniment60
- Laxative Tablets60
- Mange Medicine75
- Mouth and Throat Wash75
- Expectorant or Stimulant for irritations of the upper respiratory tract60
- Purgative Tablets60
- Tablets for muscular aches and soreness due to exposure to colds and dampness60
- Tape Worm Tablets60
- Tonic and Condition Tablets60
- Capsules for Ascarids and large round worms in dogs60
- Capsules for Ascarids and large round worms in puppies60
- Tonic and Condition Tablets for Toy Dogs and Puppies60
- "Special" Tablets for Toy Dogs and Puppies ... 1.00
- Dip Disinfectant. ½ gal. cans, \$2.00..1 gal. cans 4.00

- Mange Medicine.. ½ gal. cans, \$2.00..1 gal. cans, \$4.00
- Ointment for superficial varieties of Mange and certain forms of Eczema1 lb., \$2.00..2 lbs. 4.00
- Capsules for Ascarids and large round worms in Dogs 5.00
- Capsules for Ascarids and large round worms in Puppies 5.00
- These packages contain 15 times the quantity packed in 60c package.

DOG MEDICINES

We can supply Glover's, Sergeant's, Dent's, Delcreo, Clayton's, Crisp's, and Dr. LeGear's dog remedies. We will gladly mail you booklets published by the manufacturers of the above mentioned lines of remedies.

TETRACHLORETHYLENE

- For Hook and Round Worms
- We can supply this safe, effective anthelmintic in the following sizes:
- A. o. 2 c. c. (3 minims) for puppies and toy dogs. 50c, \$1.00 and \$2.50.
- B. 1. c. c. (16 minims) for large puppies and dogs. 50c, \$1.00, and \$5.00.
- C. 2. c. c. (32 minims) for large dogs. 50c, \$1.00, and \$5.00.

Magnesium Sulphate Capsules

Small, medium and large packages. 50c, \$1.00, and \$5.00.

TAPEWORM TABLETS (ARECOLINE)

Small, medium, and large packages. 50c, \$2.00, and \$3.00.

DR. LEGEAR'S PRESCRIPTIONS FOR DOGS

- Contain the most effective ingredients known to veterinary science.
- Cod Liver Oil Concentrate50c and....\$1.00
- Round and Hookworm Capsules (puppy)50
- Round and Hookworm Capsules (dog)50
- Tape Worm Tablets50
- Mange Prescription50
- Tonic Condition Tablets50
- Kennel Disinfectant50
- Flea and Lice Powder25
- Flea and Shampoo Soap25
- Laxative Tablets50
- Pepsin Comp. Tablets50
- Special Tablets (for reducing fever) 1.00
- Nerve Sedative Tablets 1.00
- Eye Lotion50

"P. H." WORLD'S GREATEST ANIMAL CONDITIONER AND WORM EXPELLER. GIVEN TO THE ANIMAL WITH ITS FOOD

Seventy per cent of all your live stock losses are caused by worms. Get rid of these profit-eating, blood-sucking pests—they keep your animals in a run-down, runty, unthrifty condition. Worms sap their strength, spoil their digestion and make them easy prey to dangerous diseases.

"P. H." is used by the largest dog kennels in this country and abroad. Show dogs are conditioned with "P. H." and are kept in the pink of condition at all times by regular use of "P. H.". Owners of racing greyhounds have found "P. H." a wonderful conditioner and wormer for these dogs that must be in top condition to win.

"P. H." is economical to use, as you will save more than the slight cost of "P. H." in food, as your animal will get the full benefit of its food,

thus effecting a sufficient saving in the feed bill to more than pay for the "P. H." used. "P. H." is a positive necessity to every large kennel.

"P. H." is the cheapest form of health insurance that you can secure.

Delivered Prices of "P. H."

1 1/2-lb. tins	.....1.75	28-lb. tins	.....\$18.75
3 1/2-lb. tins	..... 3.50	84-lb. cases	.... 57.50
7-lb. tins	..... 5.75	112-lb. cases	.... 68.00

DR. LeGEAR'S POULTRY REMEDIES

Postpaid

Dr. LeGear's Worm Pills (50)	.....\$0.50
Dr. LeGear's Worm Pills (120)	..... 1.00
Dr. LeGear's Chick Tablets	..... .50
Dr. LeGear's Headlice Remedy	..... .25
Dr. LeGear's Lice Powder	..... .25
Dr. LeGear's Fly and Insect Powder	..... .30
Dr. LeGear's Poultry Worm Powder (4 lbs.)	..... 1.00
Dr. LeGear's Poultry Prescription, 1 1/2 lbs., 25c; 3 1/2 lbs., 50c; 8 lbs., \$1.00; 25 lbs., \$3.00.	
Dr. LeGear's Dip and Disinfectant, by express only. Quart, 65c; gal., \$1.75.	

B. K.

B. K. is a clean, colorless, non-poisonous germ killer. Used in dilution with water. Ten times as powerful a germ killer as undiluted carbolic acid.

B. K. is excellent for sterilizing brooders and incubators. Destroys all strong odors as well as germs.

4 ozs., 30c; 10 ozs., 50c; qt., 90c; 1 gal., 2.00; 5 gals., \$8.50. B. K. cannot be mailed.

MISCELLANEOUS PREPARATIONS

Water Glass. Recommended for use in preserving eggs. One pint will preserve 6 doz. eggs. Cannot be mailed. 1 pt., 20c; qt., 35c; 2 qts., 65c; gal., \$1.25.

"H. W." A liquid tonic and remedy for many diseases of poultry, such as roup, cholera, white diarrhea, etc. Postpaid, 50c and \$1.00.

Egg-O-Hatch. A preparation to be used on hatching eggs to reduce the strength of the shell rendering same weak, thereby permitting the chick to break same with greater facility. Postpaid, 50c.

Egg-O-Latum. A greasy preparation rubbed on the outside of an egg to preserve same. Egg-O-Latum will keep an egg for a year. One jar will preserve 50 doz. eggs. Postpaid, 50c.

Carbola. Carbola is non-poisonous and non-caustic. It is applied with a brush or sprayer and dries pure white. One pound of Carbola makes 1 gallon disinfecting white-wash cover 200 square feet. By mail, add postage. Trial pkg., 25 ozs., 30c; 5 lbs., 75c; 10 lbs., \$1.25; 50 lbs., \$5.00.

ST. ANDREASBERG BIRD SPECIALTIES

Postpaid

St. Andreasberg Bird Joy. Per cube	.....\$0.15
St. Andreasberg Bird Seed. Per lb. pkg.	..... .25
St. Andreasberg Bird Cordial. Per bottle	..... .25
St. Andreasberg Song Restorer. Per bottle	..... .25
St. Andreasberg Bird Gravel. Per pkg.	..... .15
St. Andreasberg Mite Powder. Per pkg.	..... .15
St. Andreasberg Bird Salve. Per tin	..... .15
St. Andreasberg Nestling Food. Per pkg.	..... .25
St. Andreasberg Nesting Hair. Per pkg.	..... .10
St. Andreasberg Shell Producer. Per pkg.	..... .20
St. Andreasberg Feather Restorer	..... .25
St. Andreasberg Cuttle Bone, with holder	..... .20
St. Andreasberg Cuttle Bone.	..... .10

CAGE ACCESSORIES

Bath House. White enameled tin with removable glass sides. To use, open door of cage and attach. Fits any cage. Bird cannot spill water in cage. Each, 65c.

K. R. O. Kills Rats Only is a product that dog owners and poultry raisers are looking for. It is harmless to man, dogs, cats, poultry and other domestic animals. However, K. R. O. is deadly poison to rats and mice. K. R. O. is made of powdered squill which attracts rats and mice. They usually die in the open searching for water. Price, 75c, postpaid.

Azoa. A rat poison of superior merit. Azoa creates a disease, amongst the rats, which is contagious, thereby cleaning them out in wholesale quantities. Postpaid, 50c.

Schilling's Ant and Roach Powder. A product of great merit in eliminating ants and roaches from the house. Postpaid, 25c; 50c; \$1.00.

Nopco Cod Liver Oil is tested both for purity and vitamin potency. Tests are made on rats to prove the presence of vitamins A and D in satisfactory strengths. Prices: Qt., 75c; 2 qts., \$1.50; gal., \$2.50; 5 gals., \$11.25. F. O. B., St. Louis, Mo.

GOLDFISH SUPPLIES

Spratt's Genuine Wafers. The food in general use for goldfish. Made of finest rice flower. Price, 10c per pkg.; by mail, 12c.

Eighteen Karat Fish Food. A balanced mixture of animal and vegetable matter for all aquarium fishes. Price, 15c per tin; by mail, 17c.

Universal Fish Food. An imported food consisting entirely of animal matter. Price, 20c per pkg.; by mail, 22c.

Anacharis. The best moss for growing in an aquarium. Grows easily and supplies oxygen and food to the fish. Price, 15c per bunch; by mail, 17c.

Dip Nets. A useful article when fish must be handled. Wooden handle, fine mesh. Price, 20c; by mail, 25c.

Pearl Chips. Pure white, polished white clam shells. No rough edges. Useful in beautifying your aquarium. 1/2 pt., 10c; 1 pt., 20c; 1 qt., 35c; by mail, add postage at rate of 1 lb. per half pint.

SPRAYERS THAT SPRAY

SPRAY YOUR ORCHARD AND SAVE YOUR FRUIT

Myers Compressed Air Sprayer

An extra heavy material chamber with a 1 3/4 inch brass tube cylinder attached to the can by means of a heavy brass screw nut.

- No. 296. Galvanized\$5.00
- No. 297. Brass 8.50

Perfection Sprayers

A COMPRESSED AIR SPRAYER that is riveted. An extra strong sprayer. The automatic shut-off nozzle is built for high pressure work. Four-gallon capacity.

- Galvanized\$5.00
- Brass\$8.50

Junior Perfection. A small compressed air sprayer of the "Perfection" type. Capacity 2 1/2 gallons. \$4.00; postpaid, \$4.25.

Prize Bucket Pump

Double acting, works on both up and down stroke and throws a continuous stream. Can be used with any ordinary pail or bucket. \$3.50; by mail, \$3.75.

Deming's Perfect Success

Has brass ball air chamber to cushion the stream, giving it uniform pressure. Can be fastened to bucket and entire outfit carried from place to place. Comes with 4 feet 3/8-inch discharge hose and Bordeaux nozzle. \$6.50; by mail, \$6.75.

Deming's Century Barrel Pump

The "Century" is proof against corrosion, as all working parts are brass; fits the flat head or curved side of barrel. Twin paddle type agitator. Brass discharge "Y" for two leads of hose. \$16.00.

Spray Nozzles

- Bordeaux Nozzle\$1.00
- Vermorel Nozzle80
- Imperial Nozzle40
- Y50
- Sprinkling Nozzle\$0.30
- Male End25
- Female End25
- Band25

Bamboo Extension Rods—8 feet long

Each, \$4.00; 10 feet, \$4.50; stop-cock, \$1.00.
Myers' Extension Pipe, 4 ft. Each, 35c.

Hand Dusters

The American Beauty Dust Sprayer—The most powerful hand duster made. Has a large, powerful bellows, that throws dust to the top of trees. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. Price, \$18.00.

- Feeny Duster\$1.00
- Hudson Duster30
- Hudson Duster85

The Water Lance and Fertilizer Cartridge

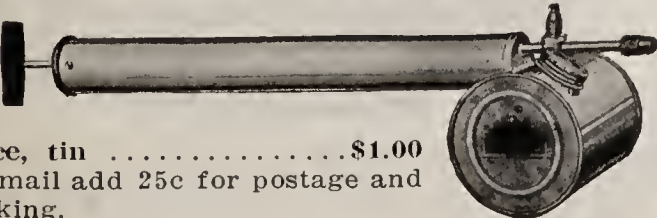
Pays for itself many times over by saving dying trees and shrubs—by cutting wasted dollars off water bills. Penetrates by hydraulic action to roots, delivers water or fertilizer right where needed.

Water Lance and Fertilizer Cartridge, complete with 10 tablets each, Treemuniton and

- Bloomuniton\$5.00

Water lance, only (without Fertilizer Cartridge or Muniton) 3.50

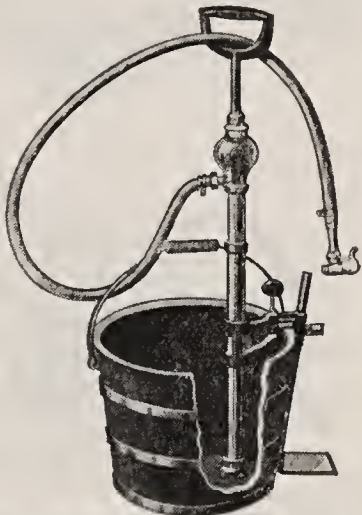
Continuous Sprayer



Price, tin\$1.00
By mail add 25c for postage and packing.



Prize Bucket Pump.



Perfect Success.

Myers Portable Sprayer
R 336B

Made of extra heavy galvanized iron. Capacity, 12 1/2 gallons. Pump has patented cog-gear handles. The valves are brass ball with a brass seat. The dasher agitator keeps the material stirred.

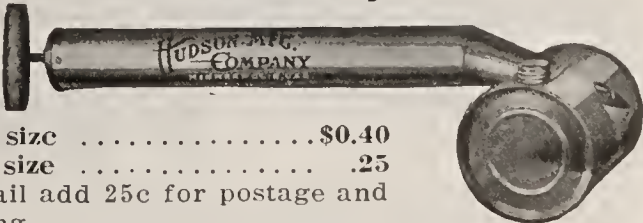
This sprayer comes with 15 ft. 1/2-in., 5-ply discharge hose, 8 ft. extension and Vermorel nozzle.

Each\$22.50



MYERS BARREL PUMP No. 305B—It has a good leverage, is very powerful and easily operated. Complete with one lead of 15-ft. 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator. Each\$13.50

New Misty



1 Qt. size\$0.40
1 Pt. size25
By mail add 25c for postage and packing.

Planet Jr. Farm and Garden Implements

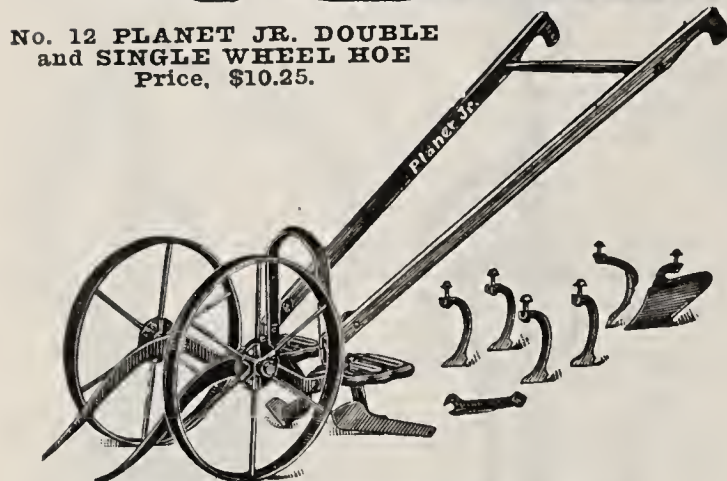
Carefully made of best materials. Save time, labor, money. Specialized tools made by Specialists



No. 4 PLANET JR. COMBINED HILL and DRILL SEEDER and WHEEL HOE

Complete, \$16.75

No. 4D Hill and Drill Seeder, same as the above less the cultivating attachments. \$13.50.



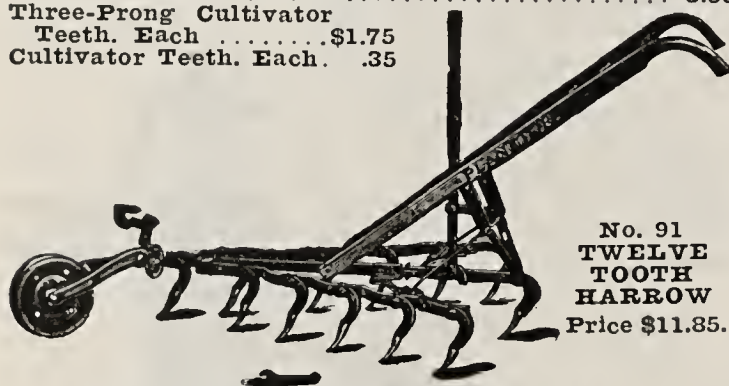
No. 12 PLANET JR. DOUBLE and SINGLE WHEEL HOE

Price, \$10.25.

EXTRAS FOR PLANET JR. TOOLS



Plow for Single Wheel Hoe. Each	\$1.50
S 100-101 Hoe, 7½ inch blade. Pair	1.50
Rakes, Each, 3-tooth, 45c; 5 tooth	.75
Disc Hoes. Pair	3.50
Three-Prong Cultivator	
Teeth. Each	\$1.75
Cultivator Teeth. Each.	.35



No. 91
TWELVE
TOOTH
HARROW

Price \$11.85.

No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

The lever expander and depth regulator make this an easy tool to use. The teeth are made of beveled steel and hardened. Complete, \$14.70.



Corn Planter. The Eclipse Rotary has positive feed. Four changes of disc (one disc for seed or broom corn). No planter is complete without wheel to drop one grain to replant drilled corn. Each\$2.00

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow. A favorite among market gardeners, onion growers, or large gardeners. It is a perfect seeder and combined double and single wheel hoe. No. 25 complete, \$21.00.

Planet Jr. No. 3 Hill and Drill Seeder. The hill dropping is simple and reliable, making hills either 4, 6, 8, 12, or 24 inches apart. 15 inch steel driving wheel. Holds 3 quarts of seed. Weight packed, 44 lbs. \$16.50.

No. 13 Planet Jr. Double and Single Wheel Hoe has same frame, wheels and handles as Nos. 11 and 12, but has for equipment one pair of 6 inch hoes only. \$7.60.

No. 11 Planet Jr. Double Wheel Hoe, Cultivator Plow and Rake. A single and double wheel hoe in one. Has steel frames and 14 inch steel wheels. \$13.00.

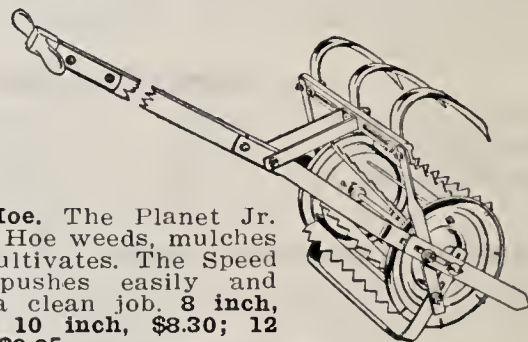
No. 17 Planet Jr. Single Wheel Hoe. These Single Wheel Hoes have steel frames and 15 inch steel wheels. \$7.35.

No. 19 Garden Plow and Cultivator. Equipment: 1 1¼ inch cultivating tooth; 1 4 inch cultivating tooth; 1 garden plow; 1 reversible combination of scuffle blade and 3 cultivating teeth. 24 inch steel wheel. \$4.75.

Firefly Garden Plow. Exceedingly useful to owners of small gardens, throwing a furrow four to six inches wide and three inches deep. \$4.00.

Star Pulverizer, Cultivator, and Weeder. The star discs break up the ground and the oscillating blade pulverizes it at the same time. It cuts a width of eight inches. \$2.85.

Planet Jr. Jiffy Hoe. \$2.00.



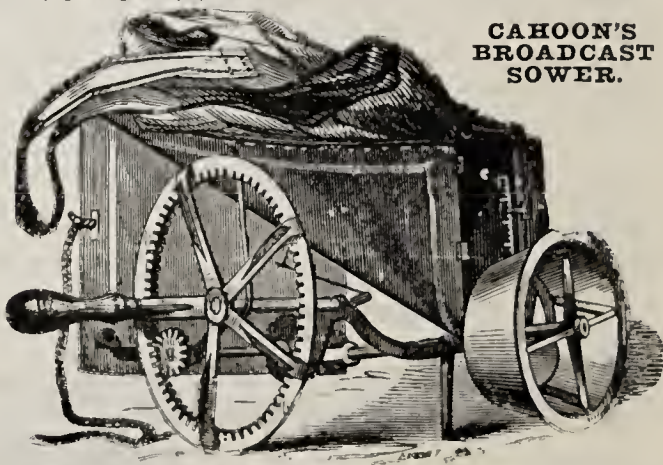
Speed Hoe. The Planet Jr. Speed Hoe weeds, mulches and cultivates. The Speed Hoe pushes easily and does a clean job. 8 inch, \$7.85; 10 inch, \$8.30; 12 inch, \$9.25.



Cyclone Seed Sowers. The hopper or sack has a capacity of ½ bushel. It sows with ease to the operator, all varieties of grain and grass seeds perfectly even. Each, \$1.75; postpaid, \$1.90.

Cahoon's Broadcast Sower. The breadth of the cast will be according to the weight of the seed. Each, \$4.00, postpaid, \$4.25.

CAHOON'S BROADCAST SOWER.



Lightning Tin Horn Seed Sower. Has long tin sectional tube, having sack attachment; also has adjustable feed for different grains and quantities. Each, \$1.00; postpaid, \$1.10.

GARDEN IMPLEMENTS



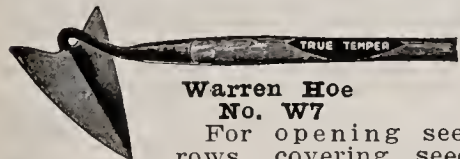
Asparagus Knife
Highest grade crucible steel, highly polished blade. 7 3/4 inches long, 1 1/4 inch blade. Fastened by two rivets in highly polished hard wood handle. **Each**\$0.40



Beet Hoe
A handy little tool for gardeners to thin out lettuce, beets and other small vegetables. 8 inch handle. **Each**\$0.45



Socket Garden Trowel No. DST.
Blade forged from one solid piece of high-grade steel, tempered and polished. **\$0.90.**
Stanley Trowel25



Warren Hoe No. W7
For opening seed rows, covering seed, hilling, cultivating, and weeding. Has more uses than any other hoe made. **Each**\$1.15



Garden Hoe
Highest grade crucible forged steel, oil tempered polished blade. 6 1/2 inch blade. **Each**\$0.85

Garden Dibble
All iron; is used for transplanting small plants. Has polished steel point. **Each**\$0.75



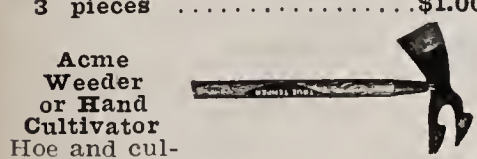
Hand Spading Fork
These forks are well made. The tines are polished about half-way and adjoining part enameled blue. 11 inch. **Each**\$0.35

Mrs. Fordyce Hazlewood Weeder **Each**\$0.50

Sure Grip Weed Puller **Each**\$1.00

4 Edge Utility Hoe **Each**\$0.75

Garden Set 3 pieces\$1.00



Acme Weeder or Hand Cultivator
Hoe and cultivator combined. Made of solid steel. **Each**\$1.00

Fork. Digging or spading, 4 tines. Strap ferrule. Gardeners everywhere are adopting spading forks in place of solid blade spades; the forks not only turn up the soil, but at the same time break it up so that cultivation is much easier.\$1.25

Withington 3 prong Fork, long handle.\$1.00

Spade. Is made from the best tempered steel, fitted with select ash handles. **Each**\$1.25

Tree Pruners, Waters'. The best pruner on the market. 8 ft., \$1.85; 10 ft., \$2.10; 12 ft., \$2.25.

Extra blades, each\$0.50

Wiss Hedge Shears. **Each**\$2.50



Garden Rake
All steel, with short teeth, for walks and driveways. 16 teeth.

Each\$1.20

Dandelion Rake or Crab Grass Rake

Each\$1.00

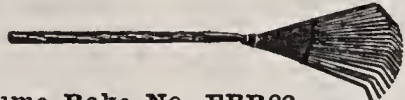
Snap Tooth Rake

19 tooth, each\$0.85

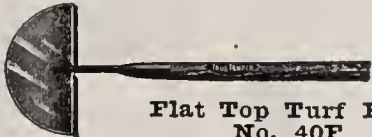
7 tooth, each65

Rake, Ole Olson Wooden

Each\$1.00



Brume Rake No. FBR22
A light, strong lawn broom, with flat, tempered spring steel teeth. Also used for gathering excelsior or litter from factory or store floors. **Each**\$0.85



Flat Top Turf Edger No. 40F

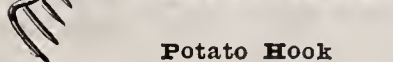
This turf edger has the upper edge of the blade turned over to furnish a flat surface for the foot. **Each**\$1.15

Imperial Turf Edger

Each\$1.15

Edger—Pull Easy

Each\$0.75



Potato Hook
Highest grade crucible forged steel tumbled finished prongs, oil tempered and carefully tested; bent head. **Each**\$1.10

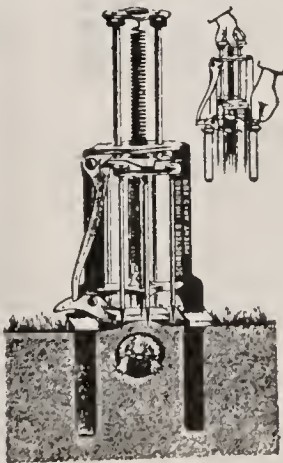


Edger, Planet Jr. **Each** ...\$1.50



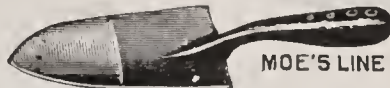
No 82. Garden Weeder. One-piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. **Each** ..\$0.15

Mole Trap
Is designed particularly for the trapping of Ground Moles. **\$2.00.**



NO 1 IMPROVED MOLE TRAP

ALL-STEEL GARDEN TOOLS



No. 80 Garden Trowel. One piece pressed steel. Handsomely finished in black baked enamel. Length of blade, 6 in. Ground and polished points. Shipping weight, 1 lb. **Each**\$0.15



No. 81. Transplanting Trowel. One piece pressed steel. Handsomely finished in black baked enamel. Length of blade 6 inches. Width, 1 1/4 inches. **Each**\$0.15

MOE'S LAWN WEEDER



California Lawn Weeder. Has a slitted steel prong which holds the weed firmly and a slight pressure on the handle removes it completely with the root.

No 89. Weeder, each\$0.25

Garden Set. Three pieces; shovel 6x4 3/8 inch blade, 42 in. handle; Hoe, 4x3 1/2 inch blade, 48 inch handle; Rake, 5 3/4 inch head with 6 2 1/4 inch bent teeth. **Set..\$2.00**



Grass Shears
For trimming edges on walks or borders. The best made. **Each \$0.85**
Goodwin Grass Shears. **Each.**\$1.25



Pruning Shears
Very strong steel blades and good spring. **Each, No. 30, 75c; No. 130, \$1.00; No. 172, \$1.50.**



Pruning Saw
Highest grade crucible steel, wood handle. 14 inch blade. **Each**\$1.10

Henry Disston Combination Pruning Saw. **Each**\$3.25

Rhodes Tree Pruner

Each\$4.50

Seymour Tree Pruner

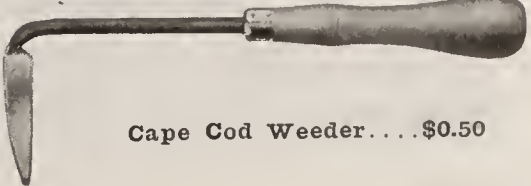
Each\$2.50

McKinney Tree Pruner. Has two cutting blades, drop forged from tool steel. The handles are of steel, length 23 inches. **No. 1,**

\$1.00; No. 2, \$1.75.

Hedge Shears, No. 54. 9 inch, with notch. The "notch" is at the heel of the blades, for cutting small branches\$1.75

6 inch, No. 34\$0.90



Cape Cod Weeder...\$0.50



BIRD'S IMPROVED NEPONSET
FLOWER POTS

In. Diam.	Weight per 100	Doz.	100	1000
2 1/4	Red ... 2 lbs...	\$0.10	\$0.55	\$4.45
2 1/2	" ... 2 lbs...	.10	.65	4.95
3	" ... 2 lbs...	.18	.80	6.30
3 1/2	" ... 3 lbs...	.20	1.00	8.25
4	" ... 4 lbs...	.23	1.25	10.50
5	" ... 7 lbs...	.30	1.80	14.25
6	" ... 10 lbs...	.45	2.50	19.25

Black Pots, same size as above, 10% higher.

POT PLANT BANDS
Ready to Use

Remember! Square bands and pots have nearly twice the cubic capacity of round pots of same diameter. All bands packed 250 to a carton, in cases weighing about 47 pounds.

No.	Size	High	250	1000
2P	2x2	2 1/2	\$1.25	\$4.00
3P	3x3	3	1.60	6.00

CEDAR TREE TUBS



Made of the very choicest seasoned cedar, highly finished with black hoops; will last as long as cypress tubs.

No.	Diam. In.	Height In.	
1	12	10 1/2	\$1.65
2	13	13	2.05
3	14 1/2	15	2.65
3 1/2	16 1/2	15 3/4	3.25
4	19 1/2	17	4.10

CEDAR
TREE TUB

RICHMOND STYLE TREE TUBS

These Tree Tubs are made of the same selected Virginia White Cedar, bound with flat steel hoops.



No.	Diam.	Depth	
1B	6 inch	6 inch	\$0.45
4B	9 inch	9 inch	.70
5B	10 inch	9 inch	.80
6B	11 inch	10 inch	1.00
7B	12 inch	11 inch	1.15
8B	14 inch	12 inch	1.35



Germaco
Hotkaps
New Method of
Plant Protection

HIGHER PRICES FOR YOUR CROP — — —

This amazing New Method of Plant Protection gets you Higher prices for Larger and Quicker Crops.
100 lots for\$1.50 250 lots for.....\$3.00
1000 lots\$9.50 per M

GERMACO HOTCAP SETTERS

Germaco Garden Setter	\$0.50
Germaco Steel Setter	2.50

Write for interesting pamphlet or order today!

THE PERFECTO SELF-WATERING
FLOWER BOXES

Enameled in Green or Old Ivory finish	
26 inches long, 6 in. deep, 7 in. wide	\$1.50
32 inches long, 6 in. deep, 7 in. wide	2.00
38 inches long, 6 in. deep, 7 in. wide	2.50
44 inches long, 6 in. deep, 7 in. wide	3.00

Cannot be sent by mail.

RUBBER PLANT SPRINKLER

Plant Sprinkler. Made of the best rubber. Used for spraying house plants, sprinkling clothes, etc.
Price, 50c.

Putty Bulb. The best appliance for distributing putty. Used by a large number of leading florists. Price, Each, \$1.00.

FRUIT PICKER

Attach to pole of any desired length. Saves all climbing, especially on young trees.....35c

Picking Bags, made of Heavy Ducking,
Each\$1.00

E-Z Wear Garden
Gloves, made from
imported leather,
outwear six pair
fabric gloves, Pair,
75c.

National
Eezy Wear
Garden Gloves

KNEE PADS

Fits any knee and will not slip down when walking. Solid black rubber surface provides durability and long wear, while the air-sponge rubber interior cushions and protects the knee. Pair, \$1.10.

PLANT STAKES AND SUPPORTS

Japanese Bamboo Canes. Dyed Green.

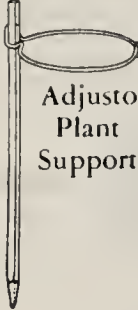
	Doz.	100	1,000		Doz.	100	1,000
1 1/2 feet	\$0.05	\$0.30	\$2.00	3 feet	\$0.13	\$0.60	\$4.75
2 feet	.08	.40	2.50	4 feet	.13	.75	6.00
2 1/2 feet	.08	.50	3.50	5 feet	.15	1.00	9.00

NATURAL CANE STAKES

6 ft., doz., \$0.15; 100, \$1.00; 1000, \$9.50.

Chinese Tonkin Cane. These are Chinese canes, very strong and heavy. 1/2-in. diam. Doz. 100

4 feet	\$0.35	\$2.50
5 feet	.40	3.50
6 feet	.60	4.00



Adjusto
Plant
Support

ADJUSTO PLANT SUPPORTS

Unexcelled for Tomatoes, Dahlias, Delphiniums, Hollyhocks, Etc.

Consists of a sturdy 3/8-in. square stake, pointed at one end, stained green and equipped with a strong, green enameled spring wire loop, adjustable to any height with growth of plants. Adjusto Supports are usable for years.

Height	Doz.
3 feet	\$1.90
4 feet	2.15
5 feet	2.40
6 feet	2.70

TIMESAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized. Can be adjusted as to height and size of loop almost instantly.

No.	2—3 feet	Doz.
No. 2—3 feet	\$1.20
No. 3A—4 feet	1.65
No. 4—5 feet	1.85

POT LABELS AND PLANT MARKERS

	100	1000		100	1000
4 inch	\$0.25	\$1.75	8 inch	\$0.45	\$4.00
5 inch	.30	2.00	10 inch	.65	5.50
6 inch	.35	2.50	12 inch	1.00	8.50

Tree Labels—3 1/2 x 5/8-in., 100 for 35c, per 1000 ..\$2.00

The Chapman Plant Marker made of copper with waterproof card protected with Mica slide.

No. 5	4 1/2 inches long	doz.	\$0.50
No. 7	6 1/2 inches long	doz.	.70
No. 8	7 1/2 inches long	doz.	1.00

Johnson Plant Label made of 1/8 inch steel wire. 14 inches long with plate 1 1/2 inches by 2 1/2 inches card covered with Mica. Each, 20c; doz., \$2.25.

RAFFIA AND REED

Natural lb., 40c; skein, 10c. Colored, 1/4 lb. skein, 35c; 1 lb. pkg., \$1.25. Postage extra.

Reed. Used for basket making, lattice work, etc.

No.	1	2	3	4	5	6
No. 1	\$0.15	\$1.15		No. 4	\$0.15	\$1.00
No. 2	.15	1.10		No. 5	.15	.95
No. 3	.15	1.05		No. 6	.15	.90

By mail, add Postage, 10c per lb.

BASKET BOTTOMS

Veneered Basket Bottoms for reed weaving. Well sanded and holes properly bored to fit uprights.

3-inch Round	\$0.10
4- " "	.13
5- " "	.15
6- " "	.18
8- " "	.25
10- " "	.40
12- " "	.45
3x 6-inch Oval	.15
4x 8- " "	.15
6x10- " "	.35
8x14- " "	.45
10x16- " "	.55
12x20- " "	.80

WIRE HANGING BASKETS

10-inch	\$0.35
12-inch	.45
14-inch	.60

Parcel Post, add 15c each for postage.

Sheet Moss. For hanging baskets, bundle for 12-in. basket. 35c.



INSECTICIDES AND FUNGICIDES

Goods marked (*) can be mailed at buyer's expense. Goods not marked cannot be mailed.

Acme All Around Spray. Combination spray for combating chewing insects, sucking insects, and blight and fungous diseases. Complete spray guide enclosed in each package showing use on flowers, plants. Contains Arsenate of Lead, Bordeaux Mixture and Nicotine Sulphate. $\frac{1}{4}$ -lb. carton, 45c; 1-lb. carton, 95c.

Acme Ant-Kill is the product of exhaustive research and testing to make it as highly desirable as possible. Acme Ant-Kill cottage set contains 3-oz. bottle syrup, 5 service cups and 5 nails. **Set, 75c.**

Antrol Ant Powder. Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. **Each, 20c.**

Antrol. The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. **Antrol sets containing four containers and one 4-oz. bottle of syrup, 75c. Antrol extra containers, each, 10c. Antrol Syrup, 4-oz. bottle, 35c; pints, 85c; gallons, \$3.50.**

Antrol Ready Filled Sets. Consisting of four patented glass "feeders" filled with regular Antrol syrup. **Price, per set, 50c.**

Aphis Punk (22½% Nicotine). For fumigating greenhouses. This paper gives off dense fumes deadly to aphis, thrips, and midge. One sheet takes care of 6000 cu. ft. air space. **Carton, 12 sheets, 90c. Case of 12 cartons, \$9.50.**

Arsenate of Lead Powder. The best known and most extensively used stomach poison for insects. It is safe to use on most plants. For general use, 1 pound to 50 gallons of water, or 3 teaspoonfuls to 1 gallon of water. $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 4 lbs., \$1.00; 12 lbs., \$2.50; 24 lbs., \$4.75.

Bordeaux Mixture Powder. For blight, mildew, rust and fungous diseases. For ordinary use it takes 6 pounds to 50 gallons of water. 1 lb., 30c; 4 lbs., \$1.00; 24 lbs., \$4.75.

Cyanogas (A-Dust). A dry powder, ready to use without any mixing, that gives off a gas effective against ants, rats, mice, moles, grasshoppers, locusts, gophers, fleas, etc. Detailed directions with every package. Cannot be mailed. $\frac{1}{2}$ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00.

Cyanogas Cyanide "G." Greenhouse fumigant for aphis, white fly, thrips, soft scale, and mealy bug, and control for crop-destroying rodents. 5 lbs., \$3.00; 25 lbs., \$10.00.

DESTRUXOL. A contact and fumigating spray for insects, such as black, green and woolly aphis, red spider, thrips, leaf roller hoppers, and mealy bugs. 1 oz., 40c; 2 ozs., 65c; 4 ozs., 90c; $\frac{1}{2}$ pt., \$1.75; 1 pt., \$2.60; 1 qt., \$4.85.

Dutox—the Non-Arsenical Insecticide. For Mexican bean beetle, striped cucumber beetle, tobacco flea beetle and other flea beetles, also cabbage hopper and corn ear worm, and bean leaf roller. Use from 1 to 1½ pounds of Dutox to 50 gallons of water to control beetles, weevils, and leaf-eating insects. 1 lb., 35c; 6-lb. bag, \$1.40.

Ever Green. Non-poisonous insecticide. **Oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.00; 32-oz. bottle, \$3.50.**

***Fish Oil Soap.** Used as a wash during the summer to prevent spread of scale. Destroys sucking insects and plant lice. 1 lb., 45c; 5 lbs., \$1.50; 10 lbs., \$2.75.

***Flowers of Sulphur.** Used to check mildew and fungous diseases. 1 lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50.

***Grape Dust (Hammond's).** Used as a dust to check mildew, dry rot and other fungi. 5 lbs., 75c.

***Grafting Wax.** Used for grafting. Also good to rub over any wounds that are made on the bark or in pruning. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.

Kalite. A non-poisonous insecticide in powder form for controlling chewing and eating insects; not to be mixed with water; can be applied with any standard duster. 1 lb., 35c; 3½ lbs., \$1.00.

Kalolil. Self spreading, free flowing pyrethrum spray; mixes freely with hard or soft water at all normal temperatures, without using soap. $\frac{1}{2}$ -oz. can, 35c; 6-oz. can, \$1.00; 32-oz. can, \$3.50.

***Lime-Sulphur Powder.** Used as a dormant spray against scale insects. Use 10 to 12 pounds to 50 gallons of water. 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

Lime-Sulphur (Liquid). Has same effect as the powder. Dilute with 10 parts of water. For summer spray dilute with 40 parts of water. **Qt., 50c; $\frac{1}{2}$ gal., 75c; 1 gal., \$1.00; 5 gals., \$4.00.**

Naptocide. New plant and bulb fumigant, effective against thrips, wood lice, sow bugs, wire worms, etc. Use 1 lb. to 100 sq. ft. bench space in greenhouses, or 2 lbs. per 100 sq. ft. area when used outside. 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.00.

Nikoteen Liquid. An effective spray when mixed with 500 parts of water. Death to aphis, green fly, spider, mealy bug, thrips and many other forms of flower, fruit and vegetable lice. **30% strength—small bottles, 30c and 50c; $\frac{1}{2}$ lb., 95c; 1 lb., \$1.75. 40% strength—4 lbs., \$5.50; 8 lbs., \$10.00.**

Nikoteen Powder (15% Nicotine). For greenhouse fumigation. Three ounces take care of approximately 7000 cu. ft. air space. 5-lb. tin, \$3.35; 10-lb. tin, \$5.85.

Nicotinum (Nicotine Sulphate 40%). For spraying fruit trees, shrubs and plants in the control of aphis and other soft-bodied, sucking insects. Excellent for eradicating poultry lice. 1-oz. bottle, 35c; $\frac{1}{2}$ -lb. tin, \$1.20; 2 lbs., \$3.10; 5 lbs., \$5.75; 10 lbs., \$10.15; 5 gals., \$36.00.

Nicotinum Plus. A dark gum-like tobacco concentrate. Is easily soluble in water. Destroys red spider, mealy bug, and leaf roller. 10-lb. tin, \$6.00; 25-lb. drum, \$26.50.

Paris Green. Paris Green is a strong and best known poison for potato bugs. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$2.00.

Plantgard. A safe, effective non-poisonous powder for vegetables and flowers. Both an insecticide and fungicide. Effective against cabbage worms, cucumber beetles, etc. 10 ozs., 15c.

RED ARROW
INSECT SPRAY
(PYRETHRUM SOAP)
Non-poisonous, kills by contact, will not burn or stain tenderest foliage. One ounce will make 4 to 8 gallons spraying solution. Effective against red spiders, mealy bugs, Mexican bean beetles, and other hard-to-kill pests. 1-oz. bottle, 35c; $\frac{1}{4}$ -pt. can, \$1.00; $\frac{1}{2}$ -pt. can, \$1.75; 1-pt. can, \$3.25; 1-qt. can, \$6.00.

Rotecide. Does not spot, discolor, burn or in any way affect the most delicate foliage. By virtue of its double action—killing insects and parasites either by contact or through the stomach—will eliminate both chewing and sucking insects rapidly and efficiently. **Oz., 35c; 8 ozs., \$1.00; pt., \$1.75; qt., \$3.00; gal., \$8.00.**

Scalecide. A dormant spray for scale. Mix 1 part Scalecide with 15 parts of water. 1 qt., 60c; 1 gal., \$1.40; 5 gals., \$4.90; 10 gals., \$8.50; 30 gals., \$16.50; 50 gals., \$23.50.

***Slugshot.** Thoroughly reliable in killing currant worms, potato bugs, cabbage worms, chicken lice, slugs, sow bugs, etc. **Carton, 20c; 5 lbs., 75c.**

Snarol. Will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls and make Snarol popular with professional gardeners and nurserymen. 1-lb. pkg., 35c; 3-lb. pkg., 85c; 15-lb. bag, \$3.00; 50-lb. bag, \$8.00.

Sulfocide. A summer spray for scale. 1 pt., 50c; 1 qt., 85c; 1 gal., \$2.25; 5 gals., \$7.50.

Tobacco Dust. For aphis. 100 lbs., \$3.50.

***Tree Tanglefoot (Caterpillar Paste).** A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree. 1-lb. can, 50c; 5-lb. can, \$2.35; 10 lbs., \$4.50; 20 lbs., \$8.75.

***Volck (Nursery).** The scientific insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. $\frac{1}{2}$ pt., 35c; 1 pt., 55c; 1 qt., 80c; 1 gal., \$2.50; 5 gals., \$7.50.

***Tree Paint (Pine Tar).** For painting on wounds after pruning. 1 pt., 30c; 1 qt., 50c; 1 gal., \$1.75.

WEED KILLER

Atlacide Non-Poisonous Weed Killer Duster. Exterminates all undesirable vegetation including poison ivy, Canada thistle, Johnson grass, etc., without danger of poisoning humans or animals. Simply shake powder from can on the weeds and grasses to be killed. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters. 1-lb. duster, (kills 100 sq. ft. of weeds), each, 50c; 3½-lb. duster, (kills 350 sq. ft. of weeds), each, \$1.50.

Weed Killer (Hammond's). Kills weeds in gutters, roads, paths, tennis courts, etc. Will not discolor cement. Easier and less expensive than hoeing and digging. Use 1 part Weed Killer to 50 parts of water. 1 qt., 50c; 1 gal., \$1.75; 5 gals., \$8.00; 30 gals., \$45.00.

Plant Food for Lawns and Gardens

A Necessity to All Growing Plants

Please Write for Price on Ton Lots

Sheep Manure. Wizard Brand is highly concentrated sheep manure, uniformly pulverized with all weed seeds killed. Every atom is available for plant use. It is economical and convenient. In making new lawns scatter broadcast 100 pounds to 1500 square feet. Price, 5 lbs., 30c; 10 lbs., 40c; 25 lbs., 80c; 50 lbs., \$1.20; 100 lbs., \$2.00.

Cattle Manure. Wizard Brand Cow or Cattle Manure is a highly concentrated pulverized pure manure dried by a special direct heat process and packed in bags for convenient use. Has no offensive odor. Highly recommended for roses, shrubs, flowers, vegetables and all growing plants. For new lawns apply 10 lbs., to 100 sq. ft. and rake into the surface soil. On established lawns apply at the same rate and scatter just as you would sow seed. 10 lbs., 40c; 25 lbs., 80c; 50 lbs., \$1.20; 100 lbs., \$2.00.

Garden Mulch (Pure Cow Manure). For your garden and lawn. A natural fertilizer that can be used as a mulch for roses, shrubs, evergreens, peonies, dahlias, gladioli, lilies and all heavy feeding plants. For liquid manure, use one to two pounds of Garden Mulch to five gallons of water and use when watering once or twice a week. 10 lbs., 35c; 25 lbs., 60c; 50 lbs., 85c; 100 lbs., \$1.60. Special price on ton lots.

Aluminum Sulphate. Gives the soil the acidity necessary for the successful culture of Rhododendrons and similar plants. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.35; 100 lbs., \$4.50.

Bone Meal. For top dressing for lawns, pastures and meadows; also for use in the vineyard and about fruit trees and bushes. It carries ammonia and phosphoric acid. Use 400 to 600 lbs., per acre. 5 lbs., 30c; 10 lbs., 55c; 25 lbs., \$1.15; 50 lbs., \$1.75; 125 lbs., \$3.25.

Cotton Seed Meal. Rich in nitrogen and potash; suitable for grain crops, but most largely used in lawns. Use $\frac{3}{4}$ to $1\frac{1}{2}$ tons per acre. 100 lbs., \$3.00.

Floyd's Odorless. After the soil has been thoroughly worked, broadcast one to one and one-half pounds Floyd's Odorless to the square yard and rake into soil. 50-lb. bags, \$1.25; 100 lbs., \$2.00.

Hydrated Lime. Hydrated lime used for top dressing on lawns and mixing soil for potting plants. 50 lbs. to cover 1,000 square feet. 10 lbs., 35c; 50 lb. bags, 85c.

Jax brings wonderful immediate results because it is active plant food. Dissolves like sugar and goes straight to the roots. Tablets for potted plants, pkg., 10c.

Loma. Plant food for lawns, flowers, vegetables, shrubbery and potted plants. Price, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., 1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Muriate of Potash. Improved Potash, once again available, should be used liberally, especially for all root crops. Apply 2 lbs. to 100 square feet. Price, 5 lbs., 50c; 25 lbs., \$1.35; 50 lbs., \$2.50; 100 lbs., \$4.50.

Nitrate of Soda. Carries nothing but nitrogen (ammonia)—no phosphoric acid or potash. It is highly stimulating on grass or other vegetation. Lb., 10c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$2.25.

Pulverized Limestone. As a crop-producer, we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable. Bags of 100 lbs., \$1.10.

Super Acid Phosphate. Sixteen per cent available. Bone phosphate, the most available form. Used for grain crops and others requiring an excessive amount of phosphoric acid. 50 lbs., \$1.25; 125 lbs., \$2.90.

Sulphate of Ammonia. Guaranteed 25 $\frac{1}{2}$ per cent ammonia, highly concentrated, quick acting. Particularly desirable for grass lands and lawns. It is also freely used for grains. 10 lbs. covers 2500 square feet or 50 ft. x 50 ft. Price, 5 lbs., 50c; 25 lbs., \$1.25; 100 lbs., \$4.00.

Vigoro. Is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. It is clean and odorless. Complete directions in every bag. 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.



CATTLE MANURE

Wizard Brand

Put up for
ST. LOUIS
SEED CO.

GARDEN MULCH

Put up for
ST. LOUIS
SEED CO.

SUPER ACID PHOSPHATE

Put up for
ST. LOUIS
SEED CO.

AMMONIA SULPHATE

Wizard Brand

Put up for
ST. LOUIS
SEED CO.

Plant Food, Lawn Roller and Garden Supplies

VIGORO

For Beautiful Lawns and Gardens

Specially prepared plant food



Select good seed and plants, care for them properly, and feed them regularly with Vigoro, the complete, balanced plant food.

Vigoro contains all of the food elements necessary to produce rich green, velvety lawns; large, beautiful flowers; healthy, full-foliaged shrubs and trees, and early, delicious vegetables.

Clean, odorless, and economical. Simple directions for using Vigoro on every bag or package.

Size of lot	Needed	Price on Vigoro
30 x 125 ft.	100 lbs.	100-lb. bag .....\$4.00
60 x 125 ft.	200 lbs.	50-lb. bag 2.00
75 x 150 ft.	300 lbs.	25-lb. bag 1.50
		10-lb. bag ..... .85
		5-lb. pkg. .... .50
		12-oz. pkg.10



GRANULATED IMPORTED PEAT

Used for Top Dressing on Lawns and for Mulching Bulbs, Shrubs and Roses

Granulated peat moss is a light brown colored virgin soil formed years ago by the growth and decay of mosses (mostly Sphagnum) and various aquatic plants, in and along the shores of fresh water lakes. It is a soil medium that is free from fungus and free from weed seeds, highly absorbent and retentive of moisture, rich in carbonaceous matter, and has no detrimental mineral content.



Established lawns should be covered 1/2 inch deep with Granulated Peat Moss in the late Fall. It will almost disappear by Spring. If the Fall covering has been omitted cover lightly in the Spring and occasionally during the growing season. It soon works in about the grass roots.

Large bale, about 150 lbs. (cover 290 square feet one inch deep). Price, per bale, \$2.90.

ADCO FOR ARTIFICIAL MANURE

Dry leaves, mixed with Adco and kept moist, turn into excellent manure. So do flower stalks, vines, and almost any other kind of non-woody vegetable waste. Adco is a powder which, mixed with vegetable matter and kept moist, turns the latter into real Manure, but without the odor, flies, etc. Directions enclosed in bags. Price, 25-lb. bag, \$2.00.

MOE'S FERTILIZER SPREADER

For lawns, golf courses, parks and cemeteries. Run it like a lawn mower. It has a simple and positive feed control. No. 500. Size at top 12x21-10 in. deep. Holds 40 lbs. of chemical fertilizer. Each, \$6.00. No. 505. Size at top 16x9 1/2-8 in. deep. Holds 25 lbs. of chemical fertilizer. Each, \$2.75.

SPHAGNUM MOSS

Extensively used for filling Fern and Orchid baskets, mixing with potting soil, covering tops of pots to preserve moisture, etc. Lb., 15c; bale, about 20 lbs., \$1.50.

LAWN MOWERS, LAWN SWEEPERS, LAWN TRIMMERS

Pennsylvania Rotary Lawn Rake. This is virtually a revolving lawn comb, having flexible steel wire teeth which go between the blades of grass, and comb out all dead grass, crab grass, and leaves. Each, 24-inch machine, \$34.00. "Philadelphia" Lawn Trimmer. Will cut smoothly to 1/4 inch of wall. Cylinder with 4 blades. Driving wheel 8 inches. Each, 6-inch, \$9.50. Grass Catcher. Heavy gauge galvanized wire frame, covered with extra quality 8-oz. green and white striped canvas side and back. Each, 14 to 16-inch, \$1.25; 18 to 20-inch, \$1.75.

GARDEN HOSE

Garden Hose. We make a specialty of the very best lawn and garden hose. We do not handle a wrapped hose; only the best moulded hose is worth buying. 1/2 inch, 11c; 3/4-inch, 14c foot.

HOSE MENDERS

Hose Mender, "Perfect Clinching". 1/2 inch, 3/4 inch, and 5/8 inch, 10c; \$1.00 per dozen. Hose Coupling, "Perfect Clinching". 1/2 inch, 3/4 inch, and 3/8 inch, 25c each. Hose Nozzle, Boston Spray. Brass, for 3/4-inch hose. Each, 90c; by mail, \$1.00. Hose Washers. 3/4 inch, doz., 5c; 1 inch. doz., 10c.

VIGORO FERTILIZER SPREADERS

A very durably constructed machine which will spread rapidly and uniformly. Model B. 14-inch spread....\$2.50 No. 24. Standard. Spreading width, 24 inches.....\$9.95 No. 14. Junior. Spreading width, 16 inches\$5.75



DUNHAM LAWN ROLLERS

Lawns should be rolled frequently. The grass is often raised out of the soil due to alternate thawing and freezing.

No.	Diam. inches	Length inches	Approx. Wt. Empty	Filled with Water	Each
5	18	24	85 lbs.	265 lbs.	\$14.00
7	24	24	110 lbs.	420 lbs.	16.50
9	24	32	130 lbs.	565 lbs.	19.00

FREEMAN LAWN ROLLER

Diam.	Length	Empty	Full	
18 in.	24 in.	62 lbs.	255 lbs.	\$11.00
14 in.	24 in.	48 lbs.	170 lbs.	9.00

"LINCOLN" LAWN MOWER

Timken bearing reels. Five cutting blades. Ten-inch wheels. Ball bearing wheels. 14-inch, \$10.00. DEWEY The Dewey will give excellent service. Cylinder with 4 blades; driving wheel, 8 inches; diameter of cylinder, 5 1/4 inches. Each, 12-inch, \$9.50; 14-inch, \$10.00. "PHILADELPHIA" STYLE "A" ALL STEEL Philadelphia Lawn Mower is practically indestructible. Each, 21-inch, \$24.00.

411-413 WASHINGTON AVE., ST. LOUIS, MO.

Forward by Mail_____ Express_____ Freight _____

(Mr., Mrs., or Miss. Please print name).

Post Office _____

County _____ State _____

(Only if different from Post Office).

Superintendent or Gardener _____

[illegible]

Route Shipped by _____ Date Shipped _____ Amt. Pkgs _____

Laid out by _____ Checked by _____

ORDER SHEET

[illegible]

St. Louis Seed Company's Calendar for Seed Planted in the Latitude of St. Louis

JANUARY—Sow in hotbed—Early Beet, Early Cabbage, Cauliflower, Early Lettuce, Early Onions, Radish.

FEBRUARY—Sow in hotbed—Early Beet, Broccoli, Early Cabbage, Cauliflower, Celery, Eggplant, Early Lettuce, Parsley, Pepper, Early Onions, Radish, Tomato.

MARCH—Sow in Hotbed—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Eggplant, Kohlrabi, Melon, Parsley, Pepper, Onions, Radish, Tomato, Herbs. **Sow in Open Ground**—Beans, Beets, Cabbage, Cauliflower, Celery, Carrot, Cress, Leek, Lettuce, Onions, Parsnips, Peas, Potatoes, Radish, Spinach, Early Turnip, Onion Sets.

APRIL—Sow in Hotbed—Cucumber, Eggplant, Melon, Pepper, Tomato. **Sow in Open Ground**—Asparagus, Beans, Beets, Cabbage, Carrots, Cauliflower, Celery, Sweet Corn, Cress, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Onions, Parsley, Parsnips, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Turnips, Sage, Herbs, Onion Sets.

MAY—Sow in Open Ground—English Beans, Pole Beans, Bush Beans, Beets, Brussels Sprouts, Cabbage, Carrot, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Leek, Lettuce, Melon, Okra, Onion, Parsley, Parsnips, Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato, Turnip, Herbs.

JUNE—Sow in Open Ground—Bush Beans, Lima Beans, Pole Beans, Beet, Carrot, Cabbage, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Lettuce, Melon, Okra, Peas, Potatoes, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

JULY—Sow in Open Ground—Bush Beans, Beet, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohlrabi, Lettuce, Okra, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

AUGUST—Sow in Open Ground—Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Squash, Turnip. **Plant**—Winter Onions.

SEPTEMBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip. **Plant**—Winter Onions. **Write for St. L. S. Co's. Bulb Catalog.**

OCTOBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Spinach. **Plant**—Hyacinth, Tulips, Narcissus, and other Dutch Bulbs in open ground, pots, or glasses.

NOVEMBER—Plant Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots, or glasses.

NUMBER OF PLANTS TO THE ACRE

Dis. apart	No. plants	Dis. apart	No. plants	Dis. apart	No. plants
12 x 3 in.	174,240	30 x 30 in.	6,970	48 x 48 in.	2,723
12 x 12 in.	43,560	36 x 12 in.	14,520	60 x 36 in.	2,901
16 x 1 in.	392,040	36 x 18 in.	9,680	60 x 48 in.	2,178
18 x 3 in.	116,160	36 x 24 in.	7,260	8 x 3 ft.	1,815
18 x 12 in.	29,040	42 x 12 in.	12,446	8 x 8 ft.	680
24 x 18 in.	15,520	42 x 36 in.	4,148	10 x 6 ft.	726
24 x 24 in.	10,890	48 x 12 in.	10,890	10 x 10 ft.	435
30 x 6 in.	34,848	48 x 18 in.	7,790	12 x 5 ft.	736
30 x 12 in.	17,424	48 x 30 in.	4,356	12 x 12 ft.	302
30 x 16 in.	13,068	48 x 36 in.	3,630	16 x 16 ft.	170
30 x 20 in.	10,454				

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